



INTER-M CATALOGUE

Commercial & Professional
Audio Product



INTER-M CATALOGUE



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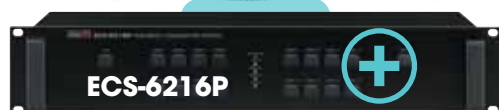


/ PA SYSTEM PRODUCT

Commercial Audio Products

6000 SERIES PC CONTROL SYSTEM

9000 / 600 SYSTEM

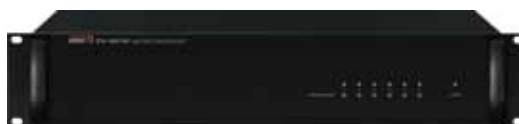


PA Audio Matrix System

PX-6216

NEW

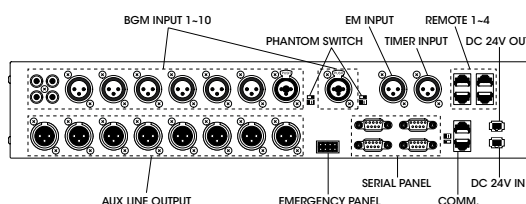
RoHS
COMPLIANT



Features

- Priority Control: Emergency, Timer, Remote 1-2-3-4, BGM
- 16 input, 8 output Mixing and Matrix control
- 6 programmable preset macro button are installed
- Preset function Save and recall
- RS-485 communication
- 7Band EQ for each channel
- Volume and Mute Control for each channel
- 3 CD Control ports (RS232)
- Power Source : 24VDC
- Power Consumption : 1200mA
- Weight : 5.3kg / 11.68lb
- Dimensions (W x H x D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Dimensions



Emergency Combination System

ECS-6216P

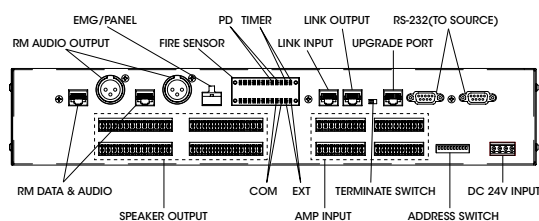
NEW

RoHS
COMPLIANT

Features

- Priority Control: Emergency, Timer, Remote1, Remote2, Main
- Auto fire sensing and announcement at designated zone
- PC edit Fire/RM Macro information memory save
- Max 10set extension (16 Zone x 10 = 160 Zone)
- RS-485 communication
- Emergency Speaker Selector: All, Channels 1-16
- Main Speaker Selector(BGM Speaker selector) : All, Channels 1-16
- 2 Wire and 3 Wire connection speaker control
- Convenient to install (connection, economy of time to install)
- Power Source : 24VDC
- Power Consumption : 900mA
- Weight : 4.3kg / 9.48lb
- Dimensions (W x H x D) : 482 x 88 x 280mm / 19 x 3.5 x 11in

Dimensions



Emergency Router

ER-6116

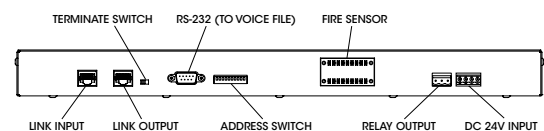
NEW

RoHS
COMPLIANT

Features

- PC using for Public Address System control
- Control up to 99 voice message (recorded PV-632A)
- 16 zones / 16 scenarios
- PC based edit scenario information Flash memory save
- Extension up to 160 zones and 161 scenarios
- Interface RS-485 for Control unit
- Button BYPASS for manual control
- Buzzer off
- Relay output for external device control
- Power Source : 24VDC
- Power Consumption : 100mA
- Weight : 2.8kg / 6.17lb
- Dimensions (W x H x D) : 482 x 44 x 280mm / 19 x 1.75 x 11in

Dimensions



Remote MIC Extender

RME-6108

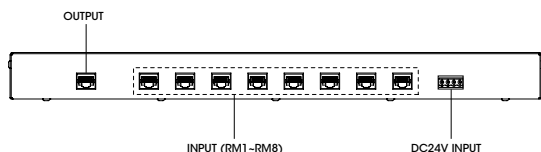
NEW

RoHS
COMPLIANT

CE

**Features**

- 1set provide 8pcs of RM-6024
(System total RME-608 x 2set)
- CH sequential priority set-up
(Default : 1CH>2CH>.....>8CH)
- Interface RS-485 for Control unit
- Power Source : 24VDC
- Power Consumption : 150mA
- Weight : 2.8kg / 6.17lb
- Dimensions (WxHxD) : 482x44 x 280mm /
19 x 1.75 x 11in

Dimensions

System Remote MIC Station / 12Key MIC Station

RM-6024/6012KP

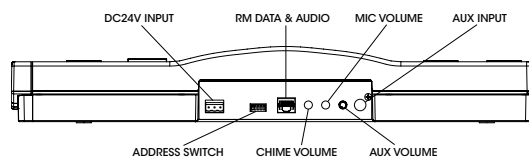
NEW

RoHS
COMPLIANT

CE

**Features**

- MIC / AUX / CHIME volume adjustable
- Key Zone Macro function (Set-up from the PC)
- Interface RS-485 for Control unit
- Power Source : 24VDC
- Configuration of simple interface using a UTP
(Category) cable
- One-Touch broadcasting function using the
[TALK] button
- Expansion of zone using
the Expansion Keypad (RM-6012KP)
- Power Source : DC 24V
- Power Consumption : 270mA
- Weight : 1.1kg / 2.4lb
- Dimensions (W x H x D) : 456 x 200 x 65mm /
18 x 7.9 x 2.6in

Dimensions

Direct Box

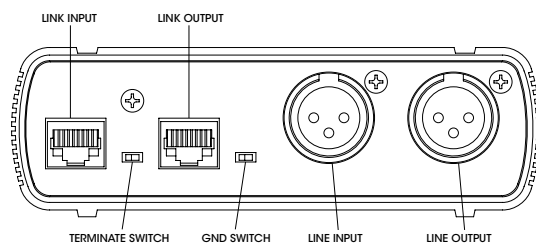
DIB-6000

NEWRoHS
COMPLIANT

Features

- PC Unbalance signal and system Balance connection (LINE IN/OUT)
- PC control USB TO UART converter built in (RS-485)
- MIC broadcasting (V/R control), Priority select (BGM<MIC)
- Recording level control (LOG file save)
- Power Source : PC USB power
- Power Consumption : 900mA
- Weight : 750g / 1.65lb
- Dimensions (W x H x D) : 140 x 43 x 140mm / 5.5 x 1.7 x 5.5in

Dimensions



Note

600 SERIES RACK SYSTEM



Battery Charger

PB-607



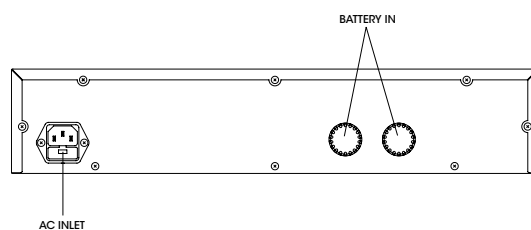
RoHS
COMPLIANT



Features

- Current control, Automatic charging
- Charge Current : 3A DC
- Charge Voltage : 27.3VDC max
- Display : Volt meter, Ampere meter
- Protection : Overcurrent, Overcharge
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, (supplied AC mains transformer depends on country requirements)
- Power Consumption : 130W
- Weight : 7kg / 15.4lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Power Distributor

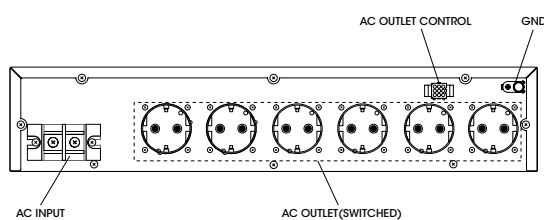
PD-658



Features

- Extended AC outlets for PD-659
- Sequence power control switch (Grouping on/off)
- AC Outlets : Switched 3 Group
- The shape of outlets can be different according to country requirements
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz,
- Power Consumption : 10W
- Weight : 5kg / 11lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Power Distributor

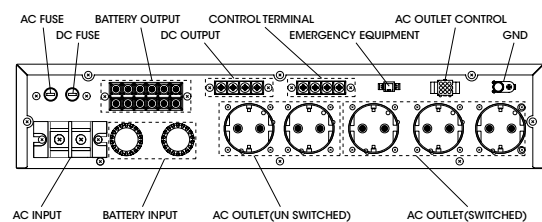
PD-659



Features

- Rack system AC/DC power control unit
- Sequence power control switch (Grouping on/off)
- Regulated DC output with Over current protection
- AC Outlets : unswitched 1 Group, switched 3 Group
- DC Outlets : DC 24V, 5A
- Emergency battery input
- Display : AC, DC volt meter (Digital LED)
- The shape of outlets can be different according to country requirements
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 190W
- Weight : 6.2kg / 13.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

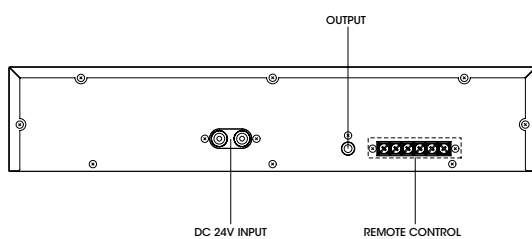
Dimensions



Chime / Siren

PE-603RoHS
COMPLIANT**Features**

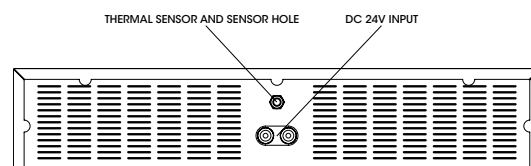
- Chime : Up/down, 2-tone
- Siren : Constant or undulating
- Wired remote control available
- Power Source : 24VDC
- Power Consumption : 60mA
- Weight : 4.4kg / 9.7lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

Auto Blower

PF-602RoHS
COMPLIANT**Features**

- Rack system cooling fan unit
- Operation Selector Switch : Manual, Auto, Operating temperature
- Fans : 2 DC fans
- Power Source : 24VDC
- Power Consumption : 160mA
- Weight : 4kg / 8.8lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

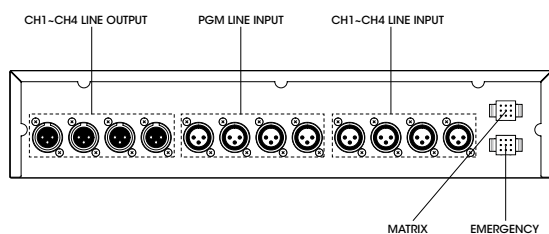
Dimensions

Program Exchanger

PG-604

**Features**

- 4 Line inputs
- 4 Line outputs
- Emergency Interface : Input, timer input, remote input 1, 2
- Indicators : Emergency, timer, remote 1, remote 2, line
- Matrix Connector, EM Connector
- Power Source : 24VDC
- Power Consumption : 60mA
- Weight : 4.4kg / 9.7lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

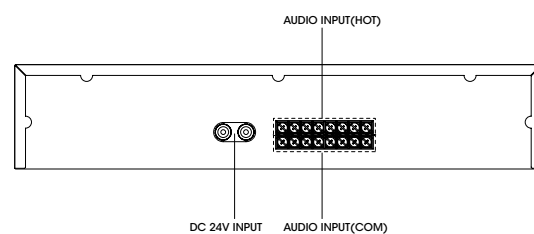
Dimensions

Monitor Panel

PM-608

**Features**

- 8 channel monitor panel
- 10-segment LED meter for each channel
- Built-in high-power monitor speaker with volume control
- Channel selector switches
- LED indication on each switch
- Power Source : 24VDC
- Power Consumption : 450mA
- Weight : 4.5kg / 9.9lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

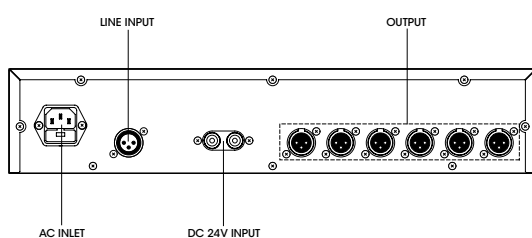
Dimensions

Program Distributor

PO-606

**Features**

- 1 XLR input, 6 XLR outputs
- Level control for each input/output
- LED display for each input/output
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5kg / 11lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

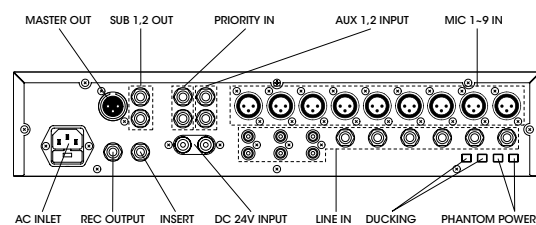
Dimensions

Pre-Amplifier

PP-613

**Features**

- Inputs : 9MIC, 6 Mono, 3 Stereo, Tone control on each channels
- Outputs : 2 Sub outputs, Main output, Rec output, and insert 3-Band EQ
- 2 Priority input
- +18V Phantom power (Ch 1, 2)
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5.5kg / 12.1lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

Emergency Combination System

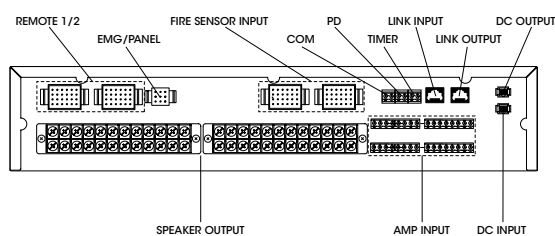
ECS-616

RoHS
COMPLIANT

Features

- Priority Control: Emergency panel, Timer, Remote1, Remote2, Main
- Auto fire sensing and announcement at designated zone
- 16ch speaker line switching
- Expansion capability with ECS-616
- Emergency Speaker Selector: All, Channels 1-16
- Main Speaker Selector(BGM Speaker selector) : All, Channels 1-16
- 2 Wire and 3 Wire connection speaker control
- Display : Prior mode LED, Channel relay on/off
- Emergency combination system
- Convenient to install
(connection, economy of time to install)
- Power Source : 24VDC
- Power Consumption : 900mA
- Weight : 4.8kg / 10.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Line Monitor

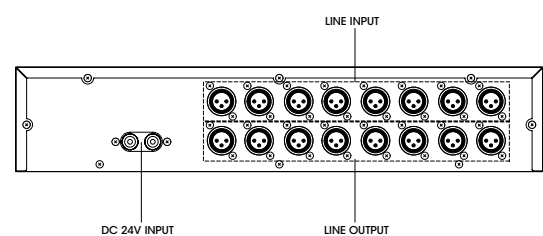
LM-618

RoHS
COMPLIANT

Features

- In/Out Channels : 8 Inputs, 8 outputs (balanced XLR)
- Built-in high-power speaker for convenient monitoring
- Built-in monitor speaker with volume control
- Power Source : 24VDC
- Power Consumption : 350mA
- Weight : 4.6kg / 10.1lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

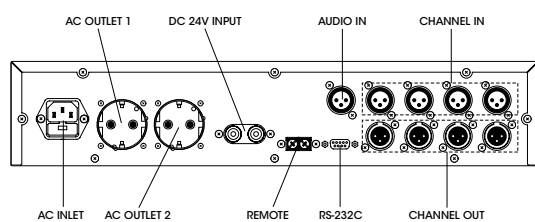


Weekly Program Timer

PW-642

**Features**

- In/Out Channels : 5 Inputs, 4 outputs(balanced XLR)
- Timer-controlled switched AC power outlet
- Weekly memory and clear
- Built-In 15 melody and voice files from PV-632
- Protect / back-up functions
- The shape of outlets can be different according to country requirements
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5.7kg / 12.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

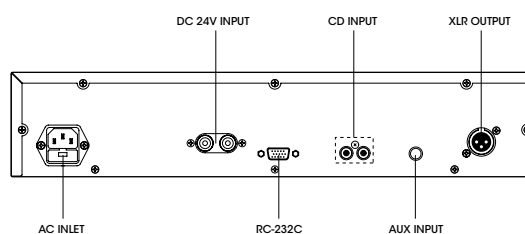
Dimensions

Multi Voice File

PV-632(A)

**Features**

- 256kbps MP3 recording for CD-type digital sound quality
- 1Gbyte internal memory for up to 7hours playback and recording
- USB v1.1 compatible for computer MP3 file transfers
- In/Out Channels : 3 inputs (CD, MIC, AUX) 2 outputs (headphones, balanced XLR)
- Auto play function (PV-632A ONLY)
- Power Source : 100~120VAC or 220~240VAC; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5.5kg / 12.1lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

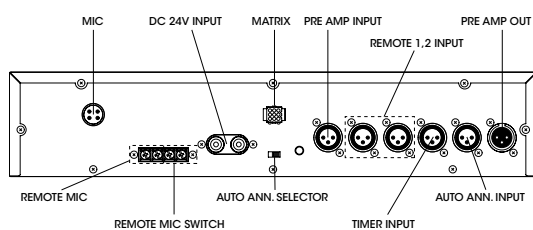
Dimensions

Emergency Panel

EP-616

**Features**

- Integrates with fire alarm system
- Built-in condenser mic for Emergency broadcasting
- External auto announcement available with voice file
- Function test switch
- Output level control
- Power Source : 24VDC
- Power Consumption : 720mA
- Weight : 4.6kg / 10.5lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

Remote Amplifier with Zone Selector

RM-616

**Features**

- Zone control circuits
- Pre-announcement chime
- Auxiliary input for increased versatility
- Led output level indication
- Power Source : 24VDC
- Weight : 1.2kg / 2.6lb (without microphone)
- Dimensions (WxHxD) : 245x60x205mm / 9.6x2.3x8in

Remote Controller

RC-100

**Features**

- Remote Controller
- Function : PA System/CDP/TUNER
- Carrier Frequency : 37.9kHz
- Power Source : Battery AAA 1.5V x 2
- Weight : 280g / 0.62lb
- Dimensions (WxHxD) : 60x220x23mm / 2.4x8.7x1in

Speaker Line Checker

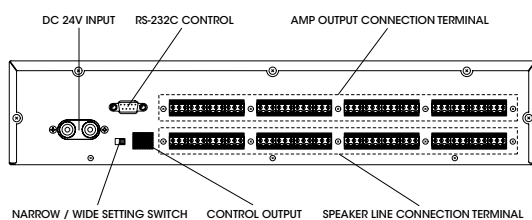
SC-624



Features

- Check 24 channel speaker line (open, short and exceed the referenced value)
- LED indicator display a speaker line status
- Automatical check speaker wires
- RS-232C terminal IN/OUT control
- DC 24V operation
- Alert sounds when fault is found
- Buzzer ON / OFF function
- Power Source : 24VDC
- Power Consumption : 300mA
- Weight : 5.2kg / 11.5lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Terminal Panel

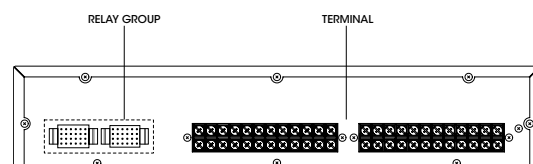
TB-616



Features

- 16 CH interface unit for rack system components and external lines
- Weight : 4.5kg / 9.9lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Fault Detector

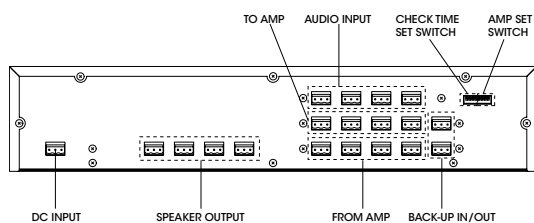
AFD-614



Features

- AUTO/MANUAL CHECK
- Easy to set-up check time among 5 steps from 0 to 24hr
- AMP (NORMAL/FAULT) indication function through the front LED
- Automatically change to spare AMP when one channel of the AMP turns 'to fault mode'
- Buzzer OFF function
- Power Source : 24VDC
- Power Consumption : 900mA
- Weight : 4.6kg / 10.1lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



Power Amplifier

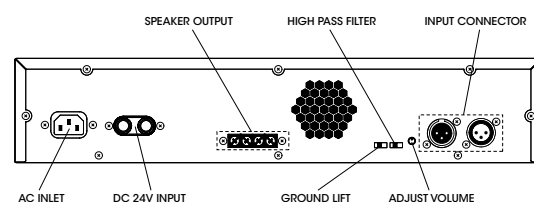
PA-612/624



Features

- SMPS (switch mode power supply)
- Output Power : 120W RMS (PA-612), 240W RMS (PA-624) @ < 1% THD
- Digital amplifier
- 400Hz high pass filter
- Adjustable input gain from -12dB to 0dB
- Protection : Thermal, PC limiter
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC
- Power Consumption : 65W (1/8 Power)
- Weight : 8.9kg / 19.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

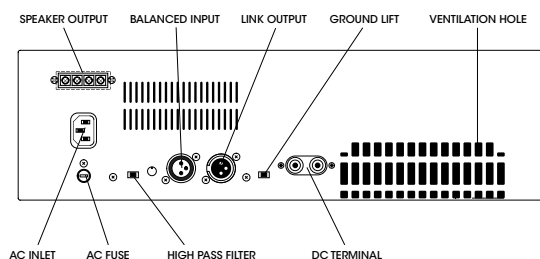
Dimensions



Power Amplifier

PA-636/648RoHS
COMPLIANT**Features**

- Output Power : PA-636 - 360W(RMS) < 1% THD,
PA-648 - 480W(RMS) < 5% THD
- Protection : Thermal, PC limiter
- Balanced XLR input with XLR parallel link-out connector
- 400Hz High pass filter
- Ground Selector Switch : Frame / Float
- Adjustable input gain from -12dB to 0dB
- Fan forced-air cooling system
- Automatic two-speed cooling Fan
- Output level indicator LEDs
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz,
24VDC (supplied AC mains transformer depends on
country requirements)
- Power Consumption : PA-636 - 380W / PA-648 - 600W
- Weight : PA-636 - 18.9kg, 41.7lb /
PA-648 - 21.7kg, 47.8lb
- Dimensions (WxHxD) : 482x132x280mm /
19x5.2x11in

Dimensions

Note

IPC SYSTEM



System Integration Controller

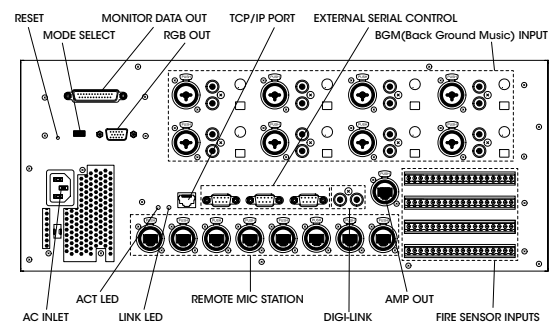
SI-100



Features

- 8CH Aux(MIC/Line) Input, Combo Jack
- Interface for 8 x SR-100 Remote MIC Consoles, RJ 45
- USB Port built-in for external memory interface
- 16 x 4 Fire Sensor Contacts
- Audio output matrix function with 16CH volume input
- DIGI-link ports(2ea) and RS-232C(3ea) communication port volumes for the external source equipment control
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, (supplied AC mains transformer depends on country requirements)
- Power Consumption : 68W
- Weight : 11kg / 24.2lb
- Dimensions (WxHxD) : 482x176x380mm / 19x6.9x15in

Dimensions



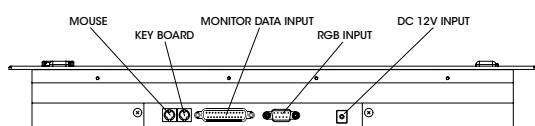
System Monitor

SM-100

NEW

RoHS
COMPLIANT**Features**

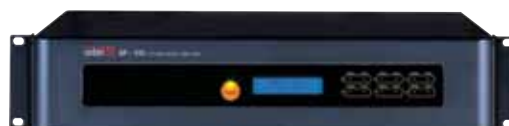
- 15" LCD Monitor panel and Touch Screen Controller
- Built-in EM Microphone
- Built-in Monitoring speaker
- Programmable UI Graphics
- Power Source : DC 12V, 3.5A
- Power Consumption : 42W
- Weight : 6.5kg / 14.3lb
- Dimensions (WxHxD) : 482x310.5x60mm / 19x12.4x2.4in

Dimensions

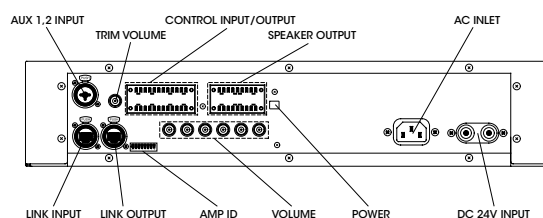
System Digital Amplifier

SP-100

NEW

RoHS
COMPLIANT**Features**

- 6CH 60W Digital Amplifier
- Light weight
- 6 BUS broadcasting function with a UTP (Category 5) cable
- Ch Volume control and 6 Band EQ tuning function
- Auto / Manual AMP ID Detection
- Self-Broadcasting function using a local input
- Interface function with other equipment using a Control Input/Output contact
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 95W
- Weight : 13kg / 28.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

System Remote MIC Station/12 Key MIC Station Keypad

SR-100/100KP

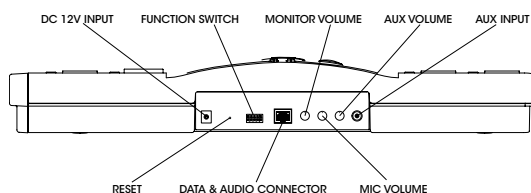
NEW

RoHS
COMPLIANT

Features

- MIC/AUX/Speaker volume adjustable
- Simple interface connection by UTP(Category 5)
- One-Touch broadcasting function using a [TALK] button
- Speaker volume for monitoring zone broadcasting
- Broadcasting zone expansion using by SR-100KP
- Power Source : DC 12V
- Power Consumption : 7W
- Weight : 1.1kg / 2.4lb
- Dimensions (WxHxD) : 456x200x65mm / 18x7.9x2.6in

Dimensions



Pre Amplifier

PP-100

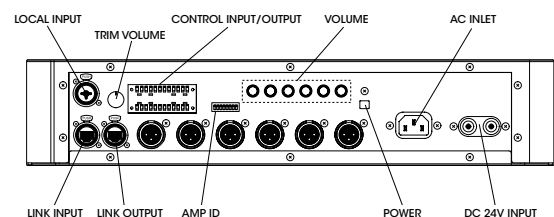
NEW

RoHS
COMPLIANT

Features

- 6 CH pre-amplifier
- 6 BUS broadcasting function with a UTP(Category 5) cable
- Remote control through Ethernet
- Self-Broadcasting function using a local input
- Interface function with other equipment using a Control Input / Output contact
- Volume tuning function by channel
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 15W
- Weight : 6.5kg / 14.33lb
- Dimensions (WxHxD) : 482x88x388mm / 19x3.5x15in

Dimensions



Multi Mode Optic Transmitter / Receiver

FT/FR-100M(S)

NEW

RoHS
COMPLIANT

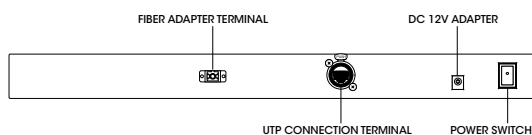
CE



Features

- Full-duplex transmission by 1 Core Fiber cable
- Transmit Audio 8Ch and control signal at the same time. 6Ch transmission available in SI-100, SA-300
- Communication status monitoring by front LED display
- Weight : 2.3kg / 5lb
- Dimensions (WxHxD) : 482x44x234mm / 19x1.7x9.2in

Dimensions



Note

RACK 8BUS SYSTEM



Main Controller

DSC-8200A

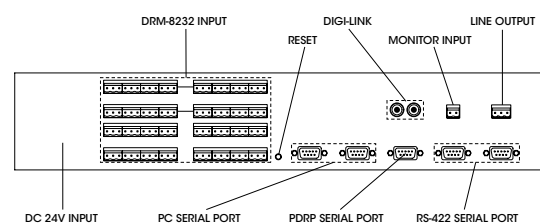
NEW



Features

- Save and operate the system set-up by PC
- Source device controlling (Digi-Link)
- Speaker output monitor
- Emergency broadcast
- Simultaneous operation PC
- System check and management
- System status check through LCD
- Multilingual emergency broadcasting set-up
- RS-422 Communication
- Power Consumption : 30W
- Weight : 7.8kg / 17.2lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

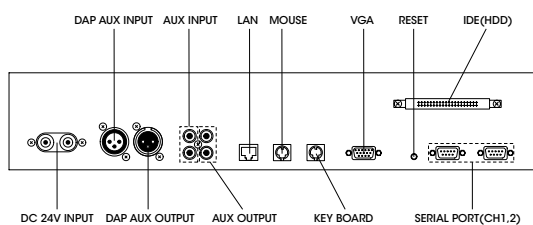
Dimensions



Digital Record & Playback

DRP-8244A**NEW****Features**

- Auto Record / Play Function
- Saving of Information
- Possible to select Sampling Frequency (22KHZ, 44.1KHZ)
- RS-232 Communication
- Power Source : 24VDC
- Power Consumption : 70W
- Weight : 5.6kg / 12.3lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

Dimensions

Digital Remote Mic

DRM-8232A**NEW****Features**

- Adoption 32 channel and all switch separately
- Adoption with high sensitivity
- Chime built-in
- Output level display
- Adoption of switches to remove noise transferring before or after broadcasting
- Cabling is simple by transmitting the channel information to wire with 5 strands
- Back up and broadcasting off function
- RS-422 Communication
- Power Source : 24VDC
- Power Consumption : 5W
- Weight : 1.55kg / 3.4lb
- Dimensions (WxHxD) : 245x205x60mm / 9.6x8.1x2.4in

Digital Amp Fault Detector

DFD-8218A

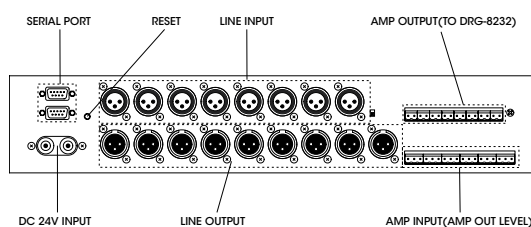
NEW



Features

- Fault check and automatic change function
- Bypass function
- Operation status display function
- Back up function
- RS-422 Communication
- Power Source : 24VDC
- Power Consumption : 10W
- Weight : 4.5kg / 9.9lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

Dimensions



Digital Relay Group

DRG-8232A

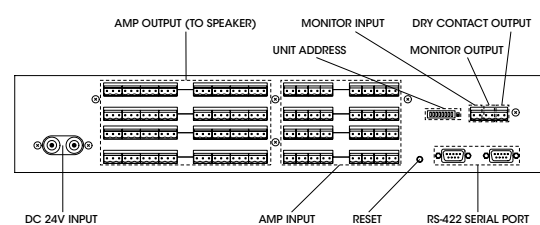
NEW



Features

- Control of 32-ch speaker output
- Status separation between general broadcasting and emergency broadcasting
- Speaker line check function for 32 CH
- Terminal for control of outside equipment
- RS-422 Communication
- Power Consumption : 20W
- Weight : 5.5kg / 12.1lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

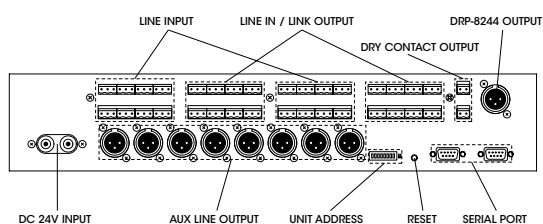
Dimensions



Digital Audio Processor

DAP-8288A**NEW****Features**

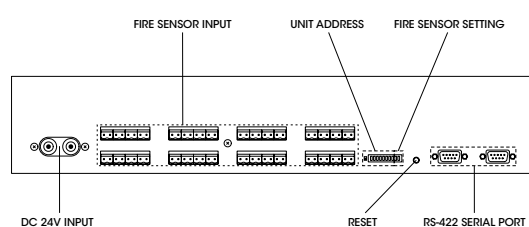
- 16 x 8 CH Matrix
- Output expansion
- Graphic LCD
- Volume control
- 7 Band graphic equalizer
- Output level display function
- RS-422 Communication
- Power Source : 24VDC
- Power Consumption : 20W
- Weight : 4.5kg / 9.9lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

Dimensions

Emergency Switcher / Speaker Selector

DSS-8232A**NEW****Features**

- Selection of type of fire contact
- User define set-up
- Selection of em/normal broadcasting
- Easy identification of em/normal status
- Back up function
- RS-422 Communication
- Power Source : 24VDC
- Power Consumption : 5W
- Weight : 3.7kg / 8.2lb
- Dimensions (WxHxD) : 482x88x280mm / 19x3.5x11in

Dimensions

S-MEDIA

interM S-Media System ver. 1.0

Operation Mode

Device Control

Video set

Video Player

Monitoring

Image

Load

File Name :



[17:49:18] Start S_MEDIA_Server program(Ver 1.00)
[17:49:18] HW Mode Check... PC

HD Video Streamer

VHD-300/VSD-300

NEW



Features

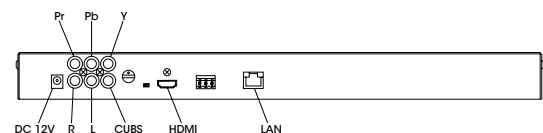
1.VHD-300

- Full-HD Via Network (NTSC / PAL)
- H.264 Video Compression
- 48Khz Audio Quality
- 1U Compact Size
- HDMI & Component Input
- Latency Under 1sec
- Text Overlay
- Weight : 3kg / 6.6lb
- Dimensions (WxHxD) : 482x44x200mm / 19x1.7x11in

2.VSD-300

- Full-HD Via Network
- H.264 Video Compression
- 48Khz Audio Quality
- 1U Compact Size
- CVBS & Component Input
- Latency Under 500ms
- Text Overlay
- Weight : 2.9kg / 6.4lb
- Dimensions (WxHxD) : 482x44x200mm / 19x1.7x11in

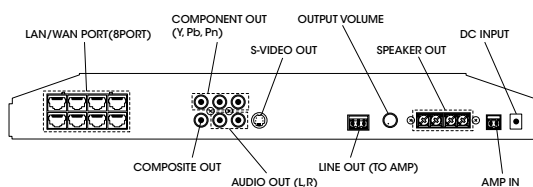
Dimensions



Set-top Box

SB-300**NEW**RoHS
COMPLIANT**Features**

- Embedded LINUX based stand-alone system
- Built-in video server function for upward broadcasting service
- Built-in 30W amplifier (left:15W, right:15W)
- Built-in Gigabit switching hub(8port)
- Accessory : Remote controller (channel, volume control)
- Emergency power backup by battery
- Power Source : DC 14V~15V, 4.5A (Adapter : 100~120VAC or 220~240VAC ; 50/60Hz)
- Power Consumption : 40W
- Weight : 4.5kg / 10lb
- Dimensions (WxHxD) : 406x443x51mm / 16x17.4x2in

Dimensions

Note

500 SERIES RACK SYSTEM



Main System Controller

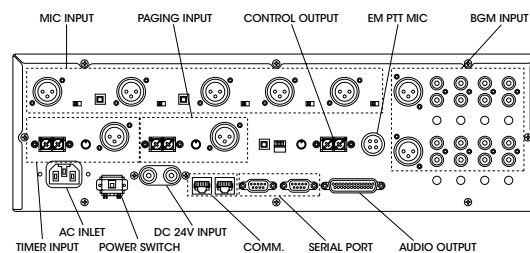
C-500



Features

- 8 BGM Input / 6 BUS Output Matrix
- 5 MIC input
- Built-in Monitoring speaker
- Clear LED Status Indicators
- Priority Broadcasting Options (EM->Fire->Timer->Paging->RM 1-4->BGM->LOCAL)
- Remote Operation Control Via RS 232C
- Built-in EM Microphone
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, DC 24V(supplied AC mains transformer depends on country requirements)
- Power Consumption : 22W
- Weight : 3.8kg / 9.3lb
- Dimensions (WxHxD) : 482x132x380mm / 19x5.2x15in

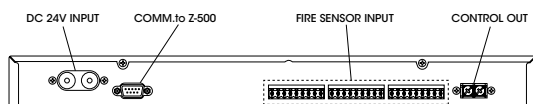
Dimensions



Fire Sensor Receiver

F-500**Features**

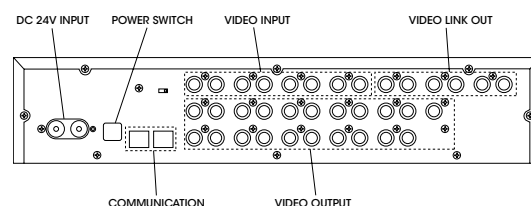
- DC 24 Volt Power Source
- Alarm status Display Function
- Macro Save Function
- DEMO Function
- Fire Alarm Display
- Safety Design for Preventing Malfunction
- Emergency Contact Terminal for Emergency Link
- Broadcasting Zone Link Function
- Store Information Protective Function
- Power Source : DC 24V
- Weight : 2kg /4.4lb
- Dimensions (WxHxD) : 482x44x380mm / 19x1.73x15in

Dimensions

Video Matrix System

V-500**Features**

- 8 Input 6 BUS 21 Out Channel Video Matrix Switch
- 6 BUS Video Link Output
- 21 Zone Video Output
- RS-422C port : Select C-500 BUS Output
- RS-232C port : Select Z-500 Video Output
- Power Source : DC 24V
- Weight : 3kg / 6.6lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

Zone Output Selector

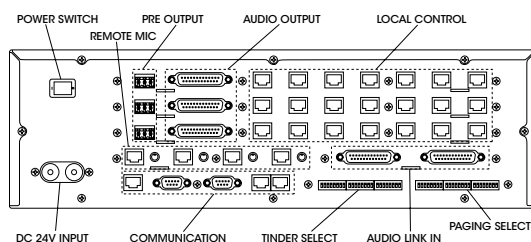
Z-500



Features

- 6 Input 21 Output Matrix
- Allocate BGM Source to Output Zone
- Clear LED Visual Display Shows Destination Status of Each Area/Zone
- Interface for Remote Zone Controllers L-500(21 Zones)
- Interface for Remote Paging Microphones RM-500 (4 No.)
- Interface for Video Matrix V-500
- Adoption of RS-422 / RS-232 communication method supporting long distance
- Convenient connection with 7CH power AMP with adoption of output terminal
- Power Source : DC 24V
- Weight : 4.3kg / 9.5lb
- Dimensions (WxHxD) : 482x132x380mm / 19x3.5x15in

Dimensions



Modular Digital Amplifier

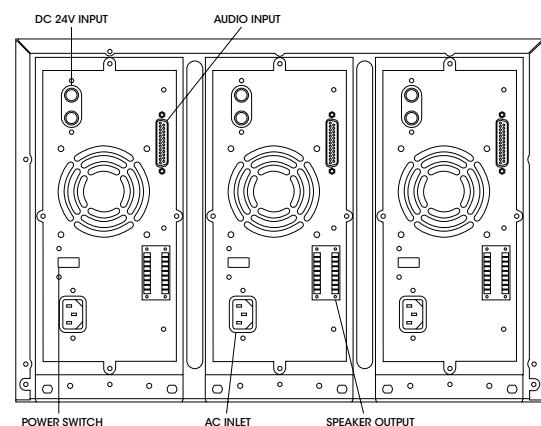
A-500



Features

- Digital Amplifier Block
- 7 x 30W(70V/100V, High Impedance)
- 1 x Spare Amplifier Channel
- Channel Monitor Output
- Signal & Status LED Indicators
- Comprehensive Protection Circuits
- Adoption of stable SMPS (switching mode power supply)
- Operation of DC 24V battery power during emergency
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, DC 24V (supplied AC mains transformer depends on country requirements)
- Power Consumption : 70W
- Weight : 8.5kg / 18.7lb (Module)
- Dimensions (WxHxD) : 482x310x380mm / 19x12.2x15in

Dimensions



Local Control with Audio In

L-500**Features**

- Remote Control of Zone Volume and Selection of BGM Source
- Independent Local MIC and BGM Inputs
- Source Designation
- Convenient Installation without ID Setting (Auto Addressing)
- RS-422 Communication between L-500 and Z-500
- Weight : 1.6kg / 3.5lb
- Dimensions (WxHxD) : 70x114x60mm / 2.8x4.5x2.4in

A-500 Rack Cabinet

MB-500**Features**

- 19" Enclosure to Accommodate 3 x A-500 Power Amplifier Blocks

Remote MIC Station

RM-500**Features**

- Convenient Priority Broadcasting
- Convenient Installation and Construction without ID Setting
- RS-422 Communication between RM-500 and Z-500
- 21 Zone Paging Selection
- Output Signal Level Display
- Multi Chime Options
- Weight : 1.6kg / 3.5lb
- Dimensions (WxHxD) : 200x206x70mm / 7.9x8.1x2.8in

Audio Matrix Controller

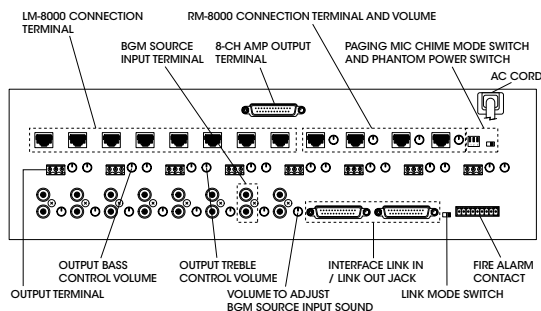
PX-8000



Features

- New concept of audio matrix system for public addressing and emergency broadcasting
- Expansion of output zones using additional main units. (8X8^N matrix, N is # of PX-8000)
- Convenient priority broadcasting
- BGM monitoring speaker
- Various audio input (BGM, Remote MIC Station, Local audio source, Paging MIC)
- Convenient installation with AUTO ID function
- Voice recording and automatic playback in link with fire alarm contact
- RS-422 communication method
- Selective chime broadcasting (PRE/POST Announcement)
- Capable of adjusting individual tone (bass/treble)
- Adoption of input and output level display
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 60W
- Weight : 7.5kg / 16lb
- Dimensions (WxHxD) : 482x132x380mm / 19x5.2x15in

Dimensions



Remote MIC Station

RM-8000



Features

- Convenient installation with AUTO ID function
- Selection of various chime broadcasting for MIC (PRE/POST)
- Priority broadcasting options (RM1>RM2>RM3>RM4)
- Output audio level meter
- Internal monitor speaker
- RS-422 Communication for long distance
- Power Source : DC 24V, 300mA (Supplied from PX-8000)
- Weight : 1.5kg / 3.2lb
- Dimensions (WxHxD) : 200x70x206mm / 7.9x2.8x8.1in

Remote Control with Audio In

LM-8000



Features

- For use with PX-8000
- Convenient installation without ID setting
- Remote volume control and selection of BGM
- Independent local MIC and BGM broadcasting
- Flush-Mounts in a single-gang electrical box
- RS-422 Communication for long distance
- Power Source : DC 24V, 50mA
(Supplied from PX-8000)
- Weight : 130g / 0.28lb
- Dimensions (WxHxD) : 70x114x52mm / 2.8x4.5x2in

Main Controller Amplifier

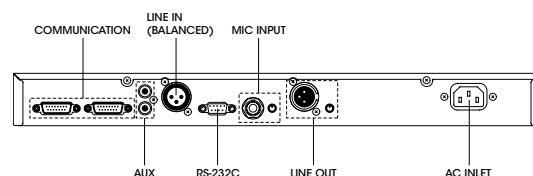
IM-300



Features

- Dot MATRIX designed VFD Display
- USB Recording (Using USB Memory stick, MP3 file)
- High fidelity 60W mono channel amplifier
- Built-in monitor speaker with control volume
- Tone Control (Bass/ Mid/ Treble)
- Extra Microphone Jack with Volume
- AUX input, AUX out, LINE input, LINE out
- Connecting : 30 Mic unit
- Expansion capability with IMS-300 (Sub amplifier)
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
(supplied AC mains transformer depends on country requirements)
- Weight : 5.8kg / 12.78lb
- Dimensions (WxHxD) : 482x44x380 mm /
19x1.75x15in

Dimensions



Chairman Mic Unit

IMC-300



Features

- Gooseneck Microphone with LED ring
- Built-in monitor speaker
- Speaker level adjustable by volume controller
- Earphone jack output
- LCD display
- IM-300/IMD-300 Control
- Weight : 1.9kg / 4.2lb
- Dimensions (W×H×D) : 129×78×208 mm / 5.1×3.1×8.2in

Delegate Mic Unit

IMD-300



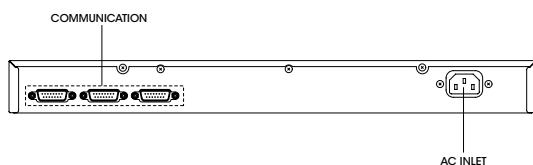
Features

- Gooseneck Microphone with LED ring
- Built-in monitor speaker
- Speaker level adjustable by volume controller
- Earphone jack output
- LCD display
(Reservation, Waiting order, Speaking Time limitation)
- Weight : 1.8kg / 4lb
- Dimensions (W×H×D) : 129×78×208 mm / 5.1×3.1×8.2in

Extension Amplifier

IMS-300**Features**

- High fidelity 60W mono channel amplifier for extension
- Connecting : 30 Mic unit
- Extension by D-Sub terminal
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Weight : 5.5kg / 12lb
- Dimensions (WxHxD) : 482x44x380 mm / 19x1.75x15in

Dimensions

Note



HANNEL 1 CHANNEL 2 CHANNEL 3 CHANNEL 4 CH



/SOUND
SOURCE

Commercial Audio Products

1CD Player

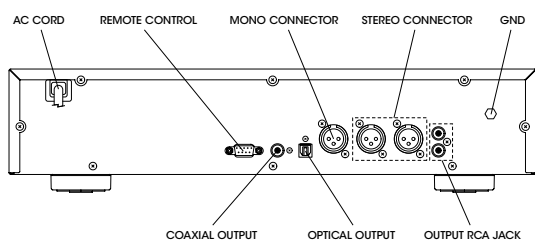
CD-610



Features

- 1CD Player (CD-DA / CD-R / CD-RW / MP3/WMA)
- Slot-in type reliable mechanism (Anti-Shock System)
- Dot MATRIX design VFD display
- Analog Output : Stereo(XLR, RCA) / Mono(XLR) / Headphone
- Digital Output : Tos link / RCA (SPDIF)
- IR Remote Control
- Quantization : 24bit
- Sampling Frequency : 44.1KHz
- Power Source : 100~120VAC or 220~240VAC, 50/60Hz, 24VDC
- Power Consumption : 18W(standby : Less than 1W)
- Weight : 5.8kg / 12.8lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions



CD / MP3 / WMA Player with Pitch Control

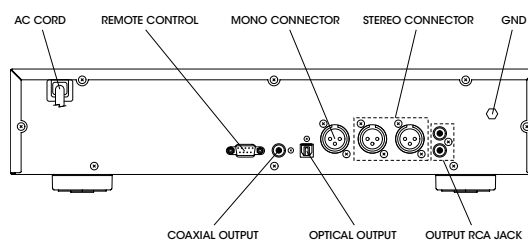
CD-611



Features

- 1CD Player (CD-DA / CD-R / CD-RW / MP3/WMA)
- Slot-in type reliable mechanism (Anti-Shock System)
- CD Copy (Extend Life-time of CD Mechanism)
- USB interface (USB host)
- Variable pitch control
- Dot MATRIX design VFD display
- Analog Output : Stereo(XLR, RCA) / Mono(XLR) / Headphone
- Digital Output : Tos link / RCA (SPDIF)
- IR Remote Control
- Quantization : 24bit
- Sampling Frequency : 44.1KHz
- Power Source : 100~120VAC or 220~240VAC, 50/60Hz, 24VDC
- Power Consumption : 18W(standby : Less than 1W)
- Weight : 5.6kg / 12.4lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

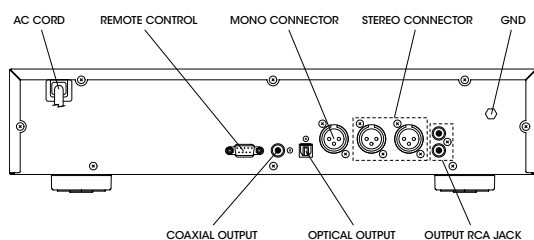


6CD Changer

CD-660

**Features**

- 6CD Player (CD-DA / CD-R / CD-RW / MP3 / WMA)
- Magazine type reliable mechanism (Anti-Shock System)
- Dot MATRIX design VFD display
- Analog Output : Stereo(XLR, RCA) / Mono(XLR) / Headphone
- Digital Output : Tos link / RCA (SPDIF)
- IR Remote Control
- Quantization : 24bit
- Sampling Frequency : 44.1KHz
- Power Source : 100~120VAC or 220~240VAC, 50/60Hz, 24VDC
- Power Consumption : 18W(standby : Less than 1W)
- Weight : 5.8kg / 12.8lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

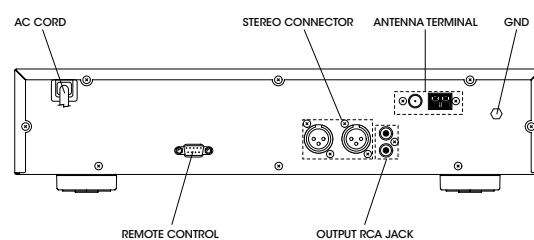
Dimensions

Stereo Tuner

TU-610

**Features**

- FM / AM Stereo Tuner
- Dot MATRIX design VFD display
- Station Memory (FM/AM) : 40 Channels
- XLR (MONO/STEREO) & RCA Analog output
- IR Remote Control
- Quantization : 24bit
- Power Source : 100~120VAC or 220~240VAC, 50/60Hz, (supplied AC mains transformer depends on country requirements)
- Power Consumption : 10W
- Weight : 5.2kg / 11.5lb
- Dimensions (WxHxD) : 482x88x380mm / 19x3.5x15in

Dimensions

CD MP3, Tuner Module

PAM-MPM4**NEW**RoHS
COMPLIANT  CE**Features**

- PAM series Module
- CD/USB/DRP (Digital Record and Playback : SD Memory)
- CD+USB, DRP (SD Memory) portable FM TUNER
- CD Long-Life Function
- CD COPY function (CD => USB or DRP)
- USB Hosting Function (USB <=> DRP)
- FM 30 Memories

Tuner Module

PAM-TRoHS
COMPLIANT  CE**Features**

- PAM series digital tuner module with 30 user presets ; music on hold output

CD MP3 Module

PAM-CDMRoHS
COMPLIANT  CE**Features**

- PAM series CD-DA / CD-R / CD-RW / MP3 / WMA module
- Functions : Random Play, Music Scan, Time Counter, Repeat, Track Forward, Track Reverse, Music Search

Note



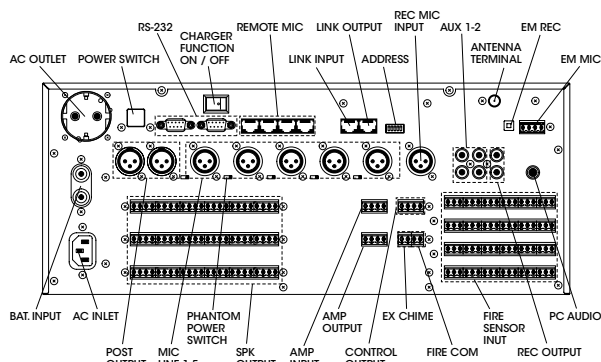
/PA COMBINATION PRODUCT

Commercial Audio Products

Digital 2BUS Public Address Combination System

PAC-5000**Features**

- Output Power : 120W+120W(RMS) @<1% THD
- Integrated Digital PA Combination system (All in one System)
- Simultaneous 2 Group Different Broadcasting
- Digital Processing & Digital Amplifier
- 24 Zone Selector, 2 Group (High impedance)
- Input Select : MIC(1~5), Tuner, Media(CD/DRP/USB), AUX(1,2)
- Remote control through RS-232 (PC)
- Built-In Various Sound Sources (CD-DA, CD-R, CD-RW, MP3 Play, WMA, FM Tuner, USB, DRP)
- Slot-In Type Reliable CD mechanism (Anti-Shock System)
- CD Copy (Extend Life-time of CD Mechanism) to built-in flash memory
- USB interface (USB host)
- LINK-IN/OUT for system extension (Max. 4 system)
- Remote port for remote mic station (up to 4 channel: SR-100/100KP)
- EQ Control (3 Band, at PC Program)
- Chime (1,2) & Siren (1,2)
- Built-in speaker for convenient monitoring
- Built-in Mic. for emergency broadcasting
- EM Message Play / Record on Flash Memory
- Fire Contact / Fire Data (24 Contact port)
- Battery charger built in
- Power Source : SMPS (100~120VAC or 220~240VAC; 50/60Hz, 24VDC)
- Power Consumption : 750W (AC OUTLET + Power Consumption)
- Weight : 16kg / 35.3lb
- Dimensions (WxHxD) : 482x177x373mm / 19x6.9x14.7in

Dimensions

Digital PA System

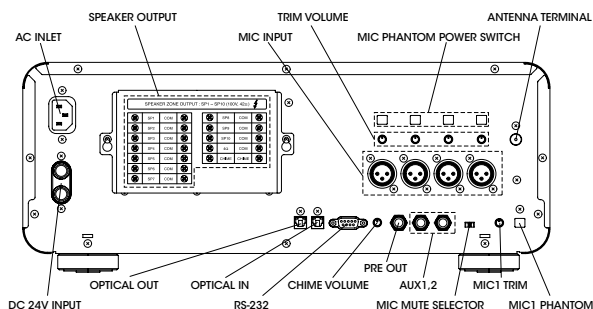
PSI-5120A/5240A

RoHS
COMPLIANT

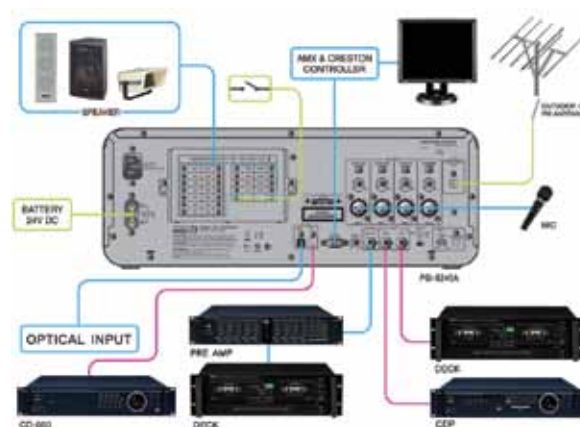
Features

- Output Power : PSI-5120A : 120W(RMS) @<1% THD
PSI-5240A : 240W(RMS) @<1% THD
- Splendid Design
- DOT MATRIX Design VFD Display
- Digital Processing & Digital Amplifier
- 10 Zone Selector (High impedance)
- Input Select : MIC(1~5), Tuner, 1 CD, USB, DRP, AUX(1 or 2), Digital Input
- Built-In Various Sound Sources (FM Tuner, CD, USB, DRP)
- CD Play back (CD-DA, CD-R, CD-RW, MP3, WMA)
- Reliable CD Mechanism (Anti-Shock System)
- CD Copy (Extend Life-Time of CD mechanism to built-in flash memory)
- USB Host (Recording / Play)
- EQ Control (5 Band)
- Chime (2 Tone)
- Built-in speaker for convenient monitoring
- Power Source : SMPS
(100~120VAC or 220~240VAC; 50/60Hz, 24VDC)
- Power Consumption : 80W (1/8 power)
- Weight : 13kg / 28.7lb
- Dimensions (WxHxD) : 430x203.7x310mm / 17x8x12.3in

Dimensions



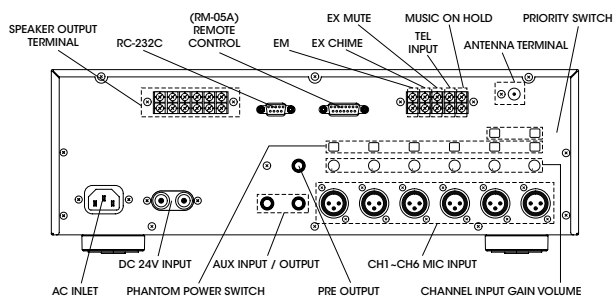
Connection



Public Address Amplifier

PCT-610/620**Features**

- Output Power : PCT-610 - 120W(RMS) @<1% THD
PCT-620 - 240W(RMS) @<1% THD
- 6 balanced input with adjustable sensitivity
- Signal Sources : CD player, FM tuner
- CD Play back (CD-DA, CD-R, CD-RW, MP3, WMA)
- IR Remote Control (Optional RC-100)
- Aux input, Aux out, Pre out
- EM, EX Chime, TEL IN, Music on Hold Function
- 5 individually selectable speaker zones with All Call
- Multi-tone chime, DRP (Digital Record Playback)
- 3 Band Equalizer on Inputs : 300Hz/1kHz/10kHz $\pm 8\text{dB}$
- 2 Band Equalizer (Master) : 100Hz / 10kHz $\pm 8\text{dB}$
- Adjustable Priority Muting : Ch1, 2, chime, em, telephone input
- Zoned Microphone Interface(RM-05A)
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on local requirements)
- Power Consumption : 90W(1/8 power)
- Weight : PCT-610 - 10kg, 22.7lb / PCT-620 - 11kg, 24.3lb
- Dimensions (WxHxD) : 482x132x380mm / 19x5.2x14.9in

Dimensions

Multi P.A Combination

SYSTEM-2240G

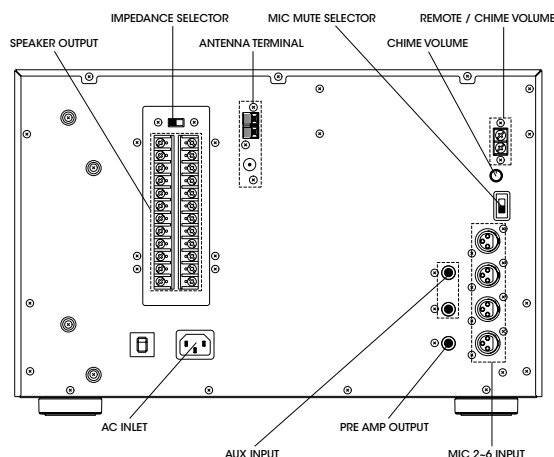
NEW

RoHS
COMPLIANT

Features

- Output Power : 240W(RMS) @ <1% THD
- Speaker Selector
10 speaker selector switches are provided to enable you to select 10 speakers individually or totally
- 7-Band Equalizer & Spectrum Analyzer
Installation of 7 band equalizer & spectrum analyzer according to frequency enables to tone control easily with your eyes ($\pm 10\text{dB}$ @ 63Hz, 160Hz, 400Hz, 1kHz, 2.5kHz, 6.3kHz, 16kHz)
- Tuner Memory
The total 30 memory address (FM : 18, AM : 12) in system can memorize the frequency of broadcasting station. You can use the desirable frequency conveniently.
- Normal Dubbing
- Auto-relay function
cascading playback between Deck A and Deck B for seamless continuous playback
- 1 CD (CD-DA, CD-R, CD-RW) / MP3 Player / WMA
The product has a built-in CDP that can play back the CD stored in a MP3 file format to enable convenient use (Support playback of CD in CD / MP3 format)
- Monitor Speaker on the Side Panel
You can monitor output signal by using the monitor speaker on the right side panel, and can control the monitor level on front panel by 3 step lever switch
- Chime with four Tones
You can conveniently use four tone chime before the announcement
- Input : 5 Balanced Mic and 2 AUX
- Priority Muting : Mic 1, 2 or all mic selectable
- Power Source : 100-120VAC or 220-240VAC ; 50Hz/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 230W
- Weight : 25kg / 55.1lb
- Dimensions (WxHxD) : 420x266x310mm / 16.5x10.4x12.2in

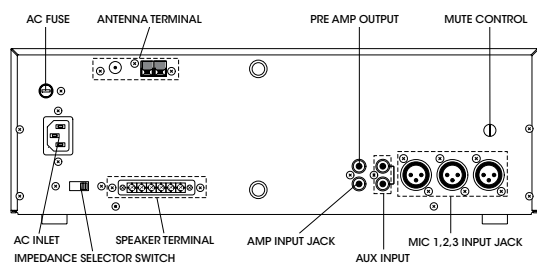
Dimensions



Compact Disc Receiver

ACR-120M**Features**

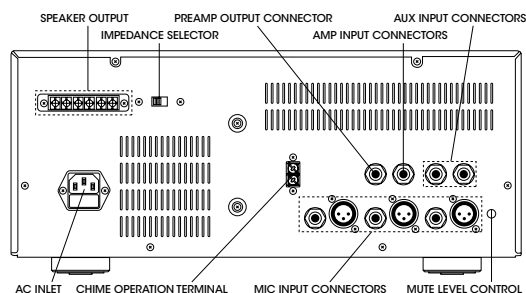
- Output Power : 120W(RMS) @ <1% THD
- Input : Mic 1~3 with balanced XLR and 1/4", AUX, TUNER, CD, AMP IN
- Compact Disc Player : CD / CD-R / CD-RW / WMA or MP3 disc playback
- AM / FM digital tuner with 30 user presets
- 2-Band Equalizer : 100Hz / 10kHz \pm 12dB
- Multi-tone pre-announcement Chime
- Priority Muting : Mic 1, Chime
- 2 Speaker zone selector switches
- Power Source : 100-120VAC or 220-240VAC; 50Hz/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 120W
- Weight : 12.8kg / 28.2lb
- Dimensions (WxHxD) : 420x132x320mm / 16.5x5.2x12.6in

Dimensions

CD Cassette Amplifier

PA-2200M**Features**

- Output Power : 200W(RMS) @ <1% THD
- Input : Mic 1~3 with balanced XLR and 1/4", AUX 1~2, AMP IN, CD, DECK
- Compact Disc Player : CD / CD-R / CD-RW / WMA or MP3 disc playback
- Cassette Player / Recorder
- 5-Band Equalizer
- Record level indicator
- Power and Protect mode indicator
- Main Output indicator
- Priority Muting for Chime and Mic 1 input
- Two-zone speaker selector buttons
- Power Source : 100-120VAC or 220-240VAC; 50Hz/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 230W
- Weight : 18kg / 39.7lb
- Dimensions (WxHxD) : 440x177x390mm / 17.3x7x15.4in

Dimensions



/ PA MIXER / AMPLIFIER

Commercial Audio Products

Public Address Amplifier

MA-106

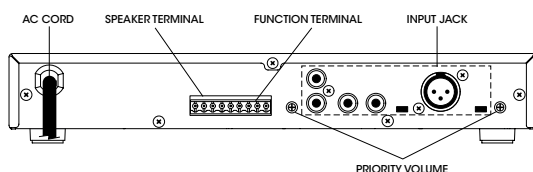
NEW

RoHS
COMPLIANT

Features

- Output Power : 60W(RMS) @<1% THD
- High fidelity mic mixing amplifier
- 4ohm direct output
- 70V, 100V transformer coupled output
- Tone (treble / bass)
- Input signal display with LED
- External mute and TEL IN
- Dedicated microphone INPUT1 (Phone [Front] or XLR connector)
- Phone jack for INPUT2 (MIC/LINE selectable)
- Phone jack and RCA jack for INPUT3
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
- Power Consumption : 24W
- Weight : 3.0kg / 6.6lb
- Dimensions (WxHxD) : 300x44x230mm / 11.8x1.7x9in

Dimensions



Public Address Amplifier

MA-206/212/224

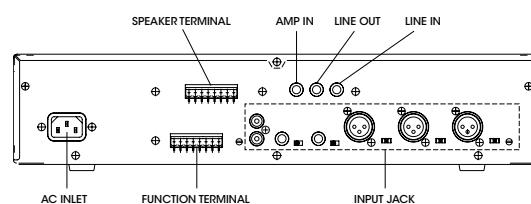
NEW

RoHS
COMPLIANT

Features

- Output Power
MA-206 : 60W(RMS) @<1% THD
MA-212 : 120W(RMS) @<1% THD
MA-224 : 240W(RMS) @<1% THD
- High fidelity mic mixing amplifier
- 4-ohm, 70V and 100V transformer coupled output
- 5 Zone output and all zone selectable
- 5 Band graphic equalizer
- 3 microphone input or line input (XLR connector)
- 2 microphone input or line input (Phone jack)
- RCA jack for line input 6
- Switchable phantom power supply (MIC1~3)
- VCA (Voltage Controlled Amplifier)
- External mute and TEL IN
- Chime / Siren signal output
- External chime control
- Channel input level display with LED
- Output level display with LED
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
- Power Consumption :
MA-206 : 38W / MA-212 : 50W / MA-224 : 75W
- Dimensions (WxHxD) / Weight
MA-206 : 420x88x328mm / 16.5x3.5x12.9in / 5.4kg / 11.9lb
MA-212 : 420x88x328mm / 16.5x3.5x12.9in / 6.7kg / 14.8lb
MA-224 : 420x88x328mm / 16.5x3.5x12.9in / 8kg / 17.6lb

Dimensions



Digital PA Amplifier

DPA-430H

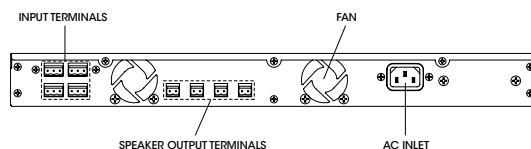


Features

- 1U Rack Size
- Multi-channel power amplifier, 300W x 4 ch
- Independent SMPS power supply of each Channel
- Low power consumption, low heat and light weight
- High pass filter switch (65Hz / 400Hz)
- Volume or Trim selectable (Internal)
- Indicators : Protection, Clip, -10dB, -30dB
- Protection : thermal, DC, over current, output short
- Power Consumption : 270W(1/2Pmax)
- Power Source : 220~230VAC ; 50/60Hz
- Weight : 9.8kg / 21.2 lb
- Dimensions (WxHxD) : 482x44x420mm / 19x1.7x16.5in

Spec		DPA-430H
Rated Power		300W x 4 channel
Input Sensitivity (1kHz)		1V / 10kΩ Balanced
Output Voltage / Load Impedance		70V/16.3Ω, 100V/33.3Ω
T.H.D (AES17 Filter)	Prated(300W, 1kHz)	less then < 0.1%
	1/2Prated(100W, 1kHz)	less then < 0.03%
Signal to Noise Ratio (20kHz LPF, A-WTD)		>100dB
High Frequency Response (+1, -3dB)		≥20kHz
Low Frequency Response	High Pass Filter Off (-3dB ±2dB)	65Hz
	High Pass Filter On (-3dB ±2dB)	400Hz
Volume Control		0dB ~ minimum (default)
		0dB ~ -12dB (with Jumper setting)
Operating Temperature		-10°C ~ +40°C

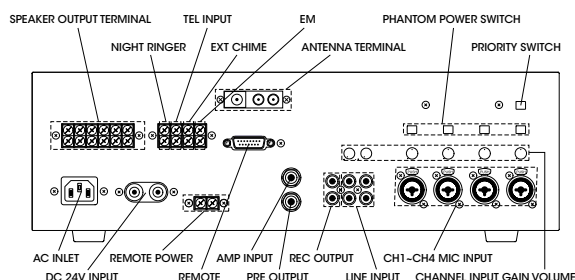
Dimensions



Digital PA Amplifier

PAM-510/520**Features**

- Output Power : PAM-510 - 120W(RMS) @<1% THD / PAM-520 - 240W(RMS) @<1% THD
- 5 individual selectable speaker zones with All Call 6 speaker select switches enable you to select any combination of up to five speakers
- Remote Power : Turn on/off amplifier by remote control
- Emergency Announcement based on alarm input When EM switch is pressed in emergencies, EM broadcasting stored in VOICE IC is outputted
- Monitor Speaker
You can monitor output signal by using the monitor speaker, and can control the monitor level on front panel by 3 step lever switch
- Single-cycle multi-tone chime
- Wired remote control for external amps and chime
Individual speaker zones can be selected and chime can be operated by wired remote control
- Selectable Priority Muting : MIC1, Siren, Chime, Ringer, Telephone input, Remote amp
Switchable audio signal priority for MIC Channels 1, siren, Chime and Telephone input over other input sources
- Optional Modular Signal Sources : CD Player, Cassette
- Deck, AM/FM Tuner
- Individual Input Gain Controls
Rear-panel gain controls for each input channel for total control of individual levels
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on local requirements)
- Power Consumption : PAM-510 - 180W / PAM-520 - 320W
- Weight : PAM-510 - 17kg, 37.6lb / PAM-520 - 19kg, 42lb
- Dimensions (WxHxD) : 482x132x398mm / 19x5.2x15.7in

Dimensions

Public Address Amplifier

PAM-120A/340A/480A

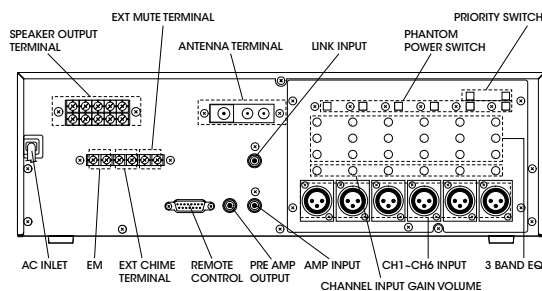
NEW



Features

- Output Power : PAM-120A - 120W(RMS) @<1% THD
PAM-340A - 340W(RMS) @<1% THD
PAM-480A - 480W(RMS) @<1% THD
- Input Connectors : Option of screw terminals, XLR, 1/4", RCA (supplied connectors depends on country)
- Optional Modular Signal Sources : CD player, cassette, AM/FM tuner
- 3 Band Equalizer on Inputs : 100Hz/1kHz/10kHz ± 12 dB
- 2 Band Equalizer (Master) : 100Hz/10kHz ± 12 dB
- Adjustable Priority Muting : Ch1, 2, chime
- Remote Control : multi-tone pre-announcement chime
- Wired remote control for external amps and chime
- Line in for additional mixer or amp link
- 5 individually selectable speaker zones with All Call
- Single-cycle multi-tone chime
- Emergency Announcement based on alarm input
- Power Source : 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on local requirements)
- Power Consumption : PAM-120A - 130W / PAM-340A - 260W / PAM-480A - 360W
- Weight : PAM-120A - 13kg, 28.7lb / PAM-340A - 13.5kg, 29.7lb / PAM-480A - 15.5kg, 34.2lb
- Dimensions (WxHxD) : 420x132x360mm / 16.5x5.2x14.1in

Dimensions



Remote Mic Station

RM-05A



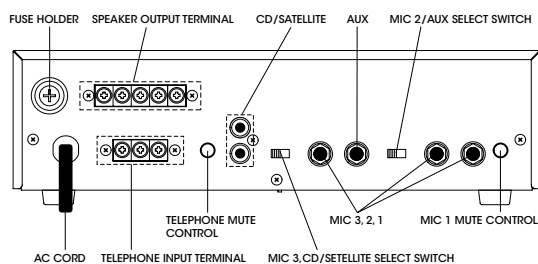
Features

- Incorporates speaker zone control switches for PAM-340A/480A/510/520, PCT-610/620
- Dynamic gooseneck microphone
- Pre-announcement chime
- LED output level indication
- Power Source : 24VDC (D-Sub connector)
- Weight : 900g / 2lb (without Microphone)
- Dimensions (WxHxD) : 194x60x205mm / 7.6x2.3x8in

Amplifier

PA-935A**Features**

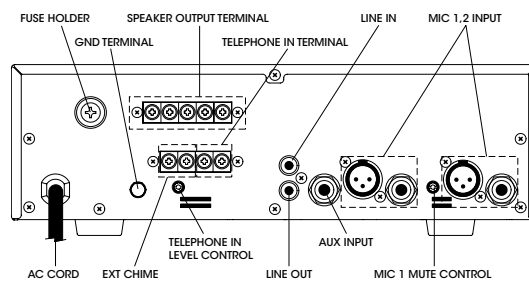
- Output Power : 35W(RMS) @<5% THD
- Inputs : Mic 1, Mic 2(AUX), Mic 3(CD/SATELLITE), Telephone Input
- 2 Band Equalizer : 100Hz / 10kHz \pm 10dB
- Adjustable priority muting : Mic1, telephone
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 40W
- Weight : 4.4kg / 9.7lb
- Dimensions (WxHxD) : 290x76x185mm / 11.4x3x7.3in

Dimensions

Public Address Amplifier

PA-1000B/1000BR**Features**

- Output Power : 30W(RMS) @<1% THD
- Inputs : Mic 1, Mic 2, AUX, Telephone Input
- Input Connectors : Mic : Balanced XLR and 1/4"
- 2 Band Equalizer : 100Hz / 10kHz \pm 10dB
- Adjustable priority muting : Mic 1, Telephone
- Remote controllable multi-tone pre-announcement signal chime
- Line in/out for additional mixer or amp
- PA-1000BR Only : AM/FM digital tuner with 30 user presets ; music on hold
- Single-cycle multi-tone chime
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : 45W
- Weight : PA-1000B - 4.6kg, 10lb / PA-1000BR - 4.8kg, 11.5lb
- Dimensions (WxHxD) : 300x88x260mm / 11.8x3.5x10.2in

Dimensions

Public Address Amplifier

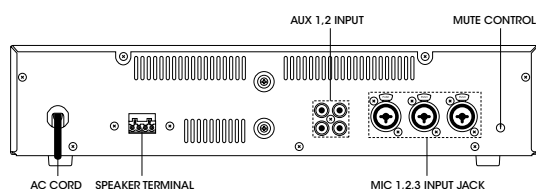
A-60/120



Features

- Output Power : A-60 - 60W(RMS) @<1% THD
A-120 - 120W(RMS) @<1% THD
- Inputs : Mic1-3 Combination XLR/1/4", AUX 1-2 (Versatile and Easy to Us)
- 2-Band EQ (Tone control, bass & treble)
- Priority Muting : Mic 1
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : A-60 - 75W / A-120 - 105W
- Weight : A-60 - 8.9kg, 19.6lb / A-120 - 10.3kg, 22.7lb
- Dimensions (WxHxD) : 420x88x360mm / 16.5x3.5x12.6in

Dimensions



Public Address Amplifier

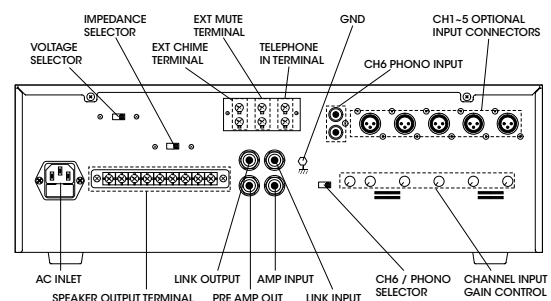
PA-2000A/4000A/6000A



Features

- Output Power : PA-2000A - 60W(RMS) @<1% THD
PA-4000A - 120W(RMS) @<1% THD
PA-6000A - 240W(RMS) @<1% THD
- Inputs : 6 Balanced with adjustable sensitivity
- Input Connector Options : XLR, 1/4", dual RCA
- Adjustable Priority Muting : Ch1, 2, chime / siren, telephone input
- 5 Band Equalizer : $\pm 12\text{dB}$ @ 100Hz, 330Hz, 1kHz, 3.3kHz, 10kHz
- Remote-controllable multi-tone pre-announcement chime and siren
- Line in/out for additional mixer or amp link
- 5 individually-selectable speaker zones with All Call
- Single-cycle multi-tone chime
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on local requirements)
- Power Consumption : PA-2000A - 95W / PA-4000A - 120W / PA-6000A - 240W
- Weight : PA-2000A - 10kg, 22lb / PA-4000A - 12kg, 26.4lb / PA-6000A - 13.5kg, 29.7lb
- Dimensions (WxHxD) :
PA-2000A - 420x100x320mm / 16.5x3.9x12.6in,
PA-4000A, 6000A - 420x133x320mm / 16.5x5.2x12.6in

Dimensions

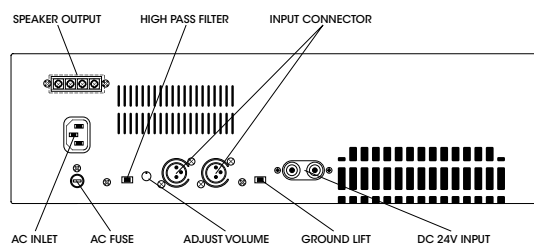


Power Amplifier

PA-9312/9324/9336

**Features**

- Output Power : PA-9312 - 120W(RMS) / PA-9324 - 240W(RMS) / PA-9336 - 360W(RMS) <1% THD
- Protection : Thermal, PC limiter
- Balanced XLR input with XLR parallel link-out connector
- 400Hz High pass filter
- Ground Selector Switch : Frame / Float
- Adjustable input gain from -12dB to 0dB
- Fan forced-air cooling system
- Automatic two-speed cooling fan
- Output level indicator LEDs
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-9312 - 130W / PA-9324 - 310W / PA-9336 - 380W
- Weight : PA-9312 - 14kg, 30.8lb / PA-9324 - 19kg, 41.9lb / PA-9336 - 19kg, 41.9lb
- Dimensions (WxHxD) : 482x132x280mm / 19x5.2x11in

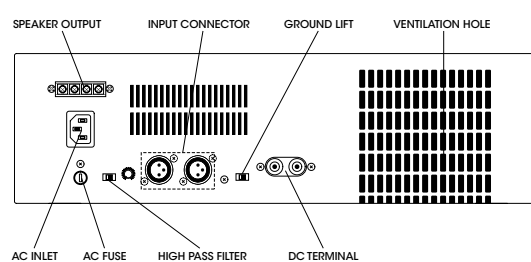
Dimensions

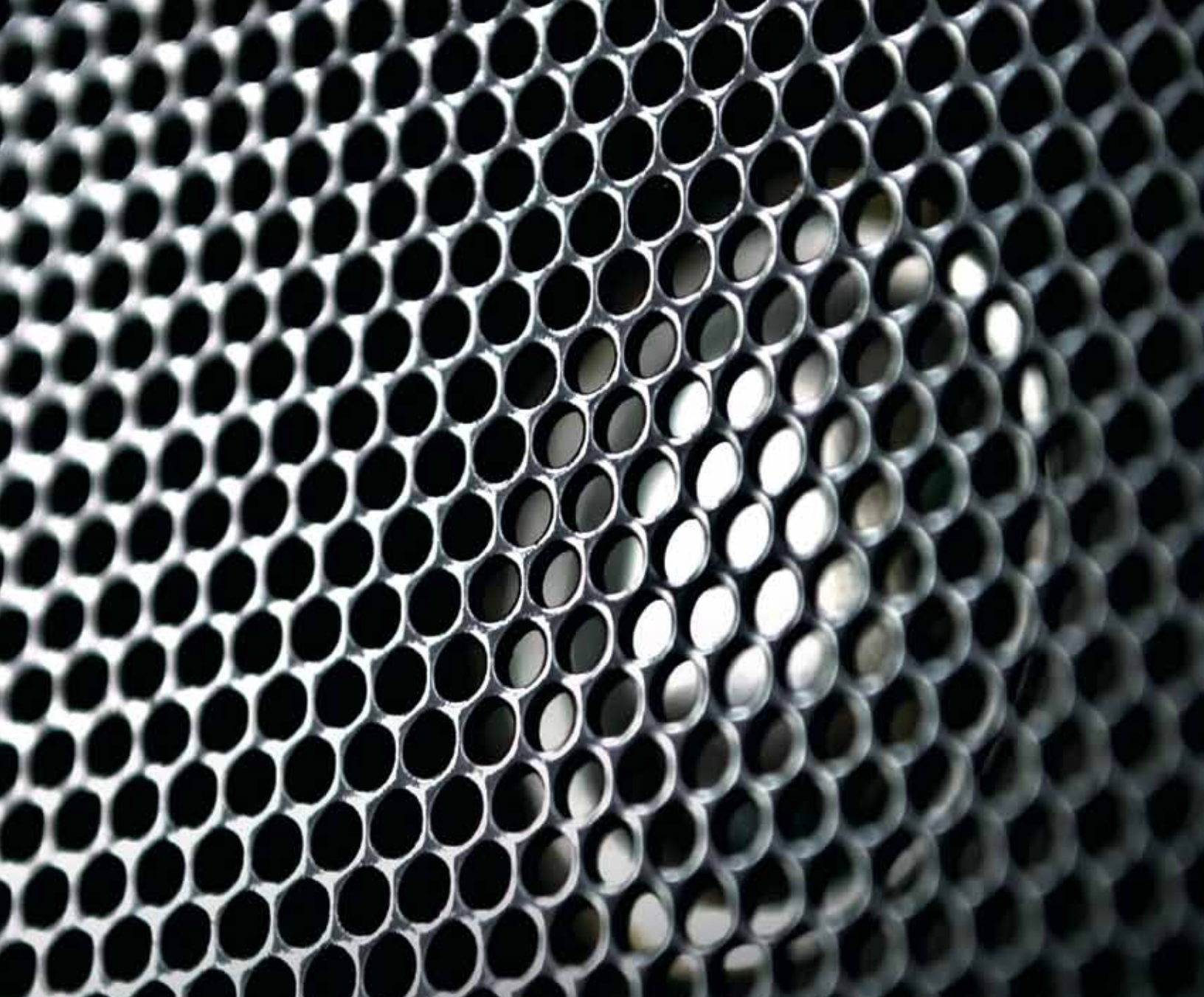
Power Amplifier

PA-9348

**Features**

- Output Power : 480W(RMS) <5% THD
- Protection : Thermal, PC limiter
- Balanced XLR input with XLR parallel link-out connector
- 400Hz High pass filter
- Ground Selector Switch : Frame / Float
- Adjustable input gain from -12dB to 0dB
- Fan forced-air cooling system
- Automatic two-speed cooling fan
- Output level indicator LEDs
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : 600W
- Weight : 22kg / 48.5lb
- Dimensions (WxHxD) : 482x132x280mm / 19x5.2x11in

Dimensions



/ PA SPEAKER

Commercial Audio Products

Column Speakers - Indoor

CU-410/420/430/440

NEW

CU-410
(10W)CU-420
(20W)CU-430
(30W)CU-440
(40W)

Features

- Color : Light Grey
- User based design for fast installation
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Direction adjustable with bracket

Spec	Unit	CU-410	CU-420	CU-430	CU-440
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	180 ~ 14k			
SPL (1W/m)	dB	91	94	95	97
Enclosure Material		P.P / Aluminum			
Weight	kg	2	3	4	5
	lb	4.4	6.6	8.8	11
Dimensions (W X H X D)	mm	156X300X129	156X400X129	156X500X129	156X600X129
	inches	6X11.8X5	6X15.7X5	6X19.6X5	6X23.6X5

Column Speakers - Outdoor

CU-510/520/530/540

NEW

CU-510
(10W)CU-520
(20W)CU-530
(30W)CU-540
(40W)

Features

- Color : Titanium(Light Brown)
- User based design for fast installation
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Direction adjustable with bracket

Spec	Unit	CU-510	CU-520	CU-530	CU-540
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	180 ~ 14k			
SPL (1W/m)	dB	91	94	95	97
Enclosure Material		P.P / Aluminum			
Weight	kg	2	3	4	5
	lb	4.4	6.6	8.8	11
Dimensions (W X H X D)	mm	156X300X129	156X400X129	156X500X129	156X600X129
	inches	6X11.8X5	6X15.7X5	6X19.6X5	6X23.6X5

Column Speakers - Indoor

CU-910(V)/920(V)/930(V)/940(V)

NEW



Features

- Color : Light Grey
- Horn Unit(CU-910V/920V/930V/940V), Tweeter Unit(CU-910/920/930/940)
- Simple and clear design with their tweeter unit corners and edges
- Top quality durable units are applied for excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Speaker Terminal added for easy installing and convenience

Spec	Unit	CU-910(V)	CU-920(V)	CU-930(V)	CU-940(V)
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	220 ~ 15k	220 ~ 15k	220 ~ 15k	220 ~ 15k
SPL (1W/m)	dB	87	90	91	93
Enclosure Material		Aluminum			
Weight	kg	1.45	2.35	2.85	3.35
	lb	3.2	5.2	6.3	7.4
Dimensions (W X H X D)	mm	104X290X86	104X400X86	104X490X86	104X580X86
	inches	4X11.4X3.4	4X15.7X3.4	4X19.3X3.4	4X22.8X3.4

Column Speakers - Outdoor

CU-920H(V)/940H(V)

NEW



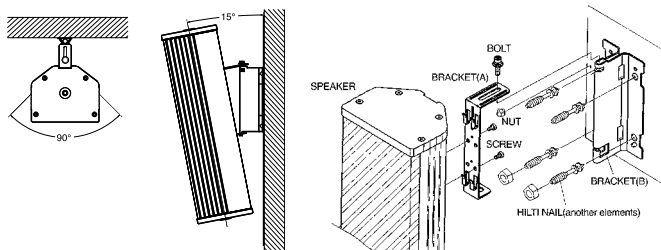
Features

- Color : Light Grey
- Horn Unit(CU-920HV/940HV)
- Simple and clear design with their rounded corners and edges
- Top quality durable units are applied for high sound pressure level and excellent sound reproduction performance
- Strong aluminum frame which guarantees the strength of the cabinet
- The highest grade of twitter speakers are used to achieve the best of the sound
- User based design for fast installation
- Waterproof, dampproof materials ensure this speaker suitable for working in the harsh outdoor environments
- Speaker Terminal added for easy installing and convenience

Spec	Unit	CU-920H(V)	CU-940H(V)
Rated Power	W	20	40
Impedance	Ω	500 / 1K	250 / 500K
Frequency Response	Hz	180 ~ 15k	180 ~ 15k
SPL (1W/m)	dB	90	93
Enclosure Material		Aluminum	
Weight	kg	2.35	3.35
	lb	5.2	7.4
Dimensions (W X H X D)	mm	104X400X86	104X580X86
	inches	4X15.7X3.4	4X22.8X3.4

Column Speakers - Indoor

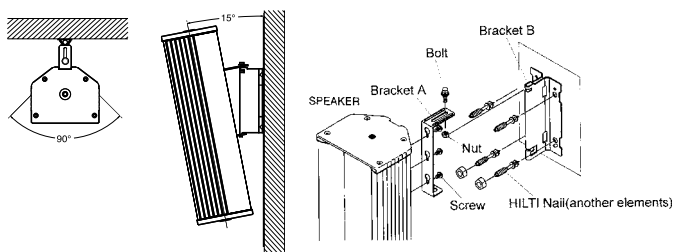
CS-710/720/730/740



Spec	Unit	CS-710	CS-720	CS-730	CS-740
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	200 ~ 14k	200 ~ 14k	200 ~ 14k	200 ~ 14k
SPL (1W/m)	dB	88	90	91	93
Enclosure Material		Aluminum			
Weight	kg	1.6	2.9	3.8	4.6
	lb	3.52	6.38	8.36	10.12
Dimensions (W X H X D)	mm	138X253X105	138X326X105	138X453X105	138X580X105
	inches	5.4X10X4	5.4X12.8X4	5.4X17.8X4	5.4X22.8X4

Column Speakers - Outdoor

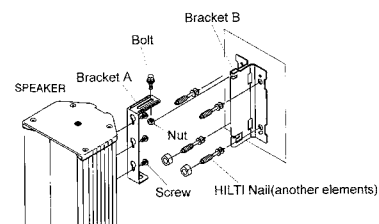
CS-810/820/830/840



Spec	Unit	CS-810	CS-820	CS-830	CS-840
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	200 ~ 22k	200 ~ 22k	200 ~ 22k	200 ~ 22k
SPL (1W/m)	dB	92	95	96	99
Enclosure Material		Aluminum			
Weight	kg	2.9	3.6	4.7	5.4
	lb	6.4	7.9	10.4	12
Dimensions (W X H X D)	mm	149X310X124	149X420X124	149X530X124	149X640X124
	inches	6X12.2X5	6X16.5X5	6X21X5	6X25X5

Column Speakers - Indoor

CS-910/920/930/940



Spec	Unit	CS-910	CS-920	CS-930	CS-940
Rated Power	W	10	20	30	40
Impedance	Ω	1k / 2k	500 / 1k	330 / 660	250 / 500
Frequency Response	Hz	250 ~ 14k	250 ~ 14k	250 ~ 14k	250 ~ 14k
SPL (1W/m)	dB	88	90	91	93
Enclosure Material		Aluminum			
Weight	kg	1.4	2.5	3.6	4.7
	lb	3.08	5.5	7.92	10.34
Dimensions (W X H X D)	mm	104X300X86	104X478X86	104X656X85	104X834X86
	inches	4X12X3.4	4X19X3.4	4X21X3.4	4X33X3.4

Note

Ceiling Speakers

CS-3/6/12

NEW



CS-3/6/12

Features

- Versatile
- Easy installation
- Excellent for public address applications

Spec	Unit	CS-3	CS-6	CS-12
Rated Power	W	3	6	12
Impedance	Ω	COM,3.3k,5k,10k	COM,1.7k,4k,8k	COM,800 Ω ,1k,2k
Frequency Response	Hz	150 ~ 15k	150 ~ 15k	150 ~ 15k
SPL (1W/m)	dB	91	92	93
Install Hole Size	mm	$\varnothing 195 \sim \varnothing 200$ mm		
Weight	g	700	710	740
	lb	1.5	1.6	1.6
Dimensions (W X H X D)	mm	220(\varnothing)X100		
	inches	8.7(\varnothing)X4		

Ceiling Speakers

CS-20/30/80

NEW



CS-20/30/80

Features

- Versatile
- Easy installation
- Excellent for public address applications

Spec	Unit	CS-20	CS-30	CS-80
Rated Power	W	20	30	80
Impedance	Ω	COM,500 Ω ,1k,2k	COM,330 Ω ,500 Ω ,1k	COM,125 Ω ,250 Ω ,500 Ω
Frequency Response	Hz	150 ~ 20k	150 ~ 20k	150 ~ 20k
SPL (1W/m)	dB	92	93	93
Install Hole Size	mm	$\varnothing 200 \sim \varnothing 205$		
Weight	kg	2	2.7	3.7
	lb	4.4	6	8.2
Dimensions (W X H X D)	mm	220(\varnothing)X180		
	inches	9(\varnothing)X7		

Ceiling Speakers

CS-03/03A/05/10

CS-03
(3W)CS-03A
(3W)CS-05(W/G)
(5W)CS-10
(10W)

Features

- Versatile
- Easy installation
- Excellent for public address applications

Spec	Unit	CS-03	CS-03A	CS-05	CS-10
Rated Power	W	3	3	5	10
Impedance	Ω	COM, 3.3k, 5k, 10k	COM, 3.3k, 5k, 10k	COM, 2k, 4k, 8k	COM, 1k, 2k
Frequency Response	Hz	180 ~ 10k	150 ~ 15k	150 ~ 14k	120 ~ 10k
SPL (1W/m)	dB	90	90	92	92
Enclosure Material		Aluminum			ABS resin
Weight	g	650	725	945	1000
	lb	1.4	1.6	2.1	2.2
Dimensions (W X H X D)	mm	228(Ø)x96	227(Ø)x100	227(Ø)x100	303x303x95
	inches	9(Ø)x3.8	8.9(Ø)x4	8.9(Ø)x4	12x12x3.75

APT Speakers

APT-01A/03A

APT-01A/03A
(1W/3W)

Spec	Unit	APT-01A	APT-03A
Rated Power	W	1	3
Impedance	Ω	10k	3.3k
Frequency Response	Hz	320 ~ 20k	250 ~ 20k
SPL (1W/m)	dB	83	85
Enclosure Material		ABS	
Weight	kg	0.224	0.23
	lb	0.5	0.51
Dimensions (W X H X D)	mm	120 X 120 X 55	
	inches	4.7 X 4.7 X 2.2	

Commercial Speakers

FS-30/60/100/52



FS-30/60/100

- 30W / 60W / 100W
- 5" Full Range X 2



FS-52

- 50W
- 1" Dome Tweeter
- 5 1/4" Cone Woofer
- 3.74" X 3.74" Horn



- *BRACKET(FSB-2)
- Wall mount bracket for FS-30/60/100/52 speaker

Features

- A switch (FS-30/60/100) permits use with either low impedance (8ohm) or high- impedance (70/100V line) amplifiers
- Full range 5 1/4" x 2 (FS-30/60/100)
- 2Way 1" + 5 1/4" (FS-52)
- FS-52 available only in 8ohm version
- Color coded connection terminals : Red=positive (+) and black=negative (-)
- Connection terminals are push-type to permit easy cable connections

Spec	Unit	FS-30	FS-60	FS-100	FS-52
Rated Power	W	30	60	100	50
Impedance	Ω	8 / 333	8 / 167	8 / 100	8
Frequency Response	Hz	180 ~ 13k			
Weight	kg	3.5	3.6	3.8	4
	lb	7.7	8	8.4	8.8
Dimensions (W X H X D)	mm	175 X 300 X 158.5			
	inches	6.9 X 11.8 X 6.24			
Bracket (Option)		FSB-2			

Commercial Speakers

GS-50BT/50WT



GS-50BT



GS-50WT



- *BRACKET(FSB-1)
- Wall mount bracket for GS-50BT/WT speaker

Features

- Rated Output : 20W
- 4ohms or 500ohms Impedance
- Two-Way Speaker : 2 1/4" Cone Type Tweeter and 5" Free-edge Woofer
- Frequency Response : 90Hz-18kHz
- Color Coded Push-Type Connection Terminals
- Compatible with Optional FSB-1 Bracket

Spec	Unit	GS-50BT	GS-50WT
Speaker Type		2WAY Fashion Speaker	
Rated Input Power	W	20	
Frequency Response	Hz	150 ~ 18k	
SPL(1W/m)	dB	90	
Color		Black	White
Weight	kg	3.1	
	lb	6.8	
Dimensions (W X H X D)	mm	160 X 250 X 170	
	inches	6.3 X 9.8 X 6.7	
Bracket (Option)		FSB-1	

Paging Horn Speakers

H-20, HS-S20/20/30/50/30RT/40RT



Spec	Unit	H-20
Applicable Unit	W	35 ~ 100
Driver Unit Coupling		1-3 / 8 inch -18p
Weight	kg / lb	2.4 / 5.3
Dimensions (W X H X D)	mm	500(Ø) X 395
	inches	19.6(Ø) X 15.5

Spec	Unit	HS-S20	HS-20	HS-30	HS-50	HS-30RT	HS-40RT
Rated Power	W	20	20	30	50	30	40
Impedance	Ω	500,1k	500,1k	330,660	200,400	330,660	250,500
Frequency Response	Hz	380 ~ 6500					
SPL (1W/m)	dB	106	106	107	109	107	109
Weight	kg / lb	1.5/3.3	2.45/5.4	2.85/6.3	3.1/6.8	2.95/6.5	2.95/6.5
Dimensions (W X H X D)	mm	169(Ø) X 230	250(Ø) X 280	280(Ø) X 350	320(Ø) X 350	320 X 210 X 365	
	inches	6.7(Ø) X 9	10(Ø) X 11	11(Ø) X 13.7	12.6(Ø) X 13.7	12.6 X 8.2 X 14.3	

Clear Horn Speaker

CH-510/522/530/532



Features

- Indoor or outdoor use
- Coaxial-type 2-way system
- Wide frequency range with remarkable vocal clarity
- Excellent for public address systems
- Easy installation
- Dispersion control

Spec	Unit	CH-522	CH-532	CH-510	CH-530
Rated Power	W	20	30	10	30
Impedance	Ω	500 ~ 1k	165 ~ 330	1k ~ 2k	165 ~ 330
Frequency Response	Hz	110 ~ 20k	100 ~ 20k	150 ~ 18k	100 ~ 20k
SPL (1W/m)	dB	95	95	95	95
Weight	kg/lb	3.5 / 7.7		3.3 / 7.3	3.5 / 7.7
Dimensions (W X H X D)	mm	294 X 209 X 326			
	inches	11.6 X 8.2 X 12.8			

Wall Speakers

IWS-10/10A**IWS-10(W/B)****IWS-10A(W/B)****Features**

- Stylish design
- Adapting high performance unit for sophisticated and rich sound
- Realizing the design with pursuing the modern sense
- Sound volume adjustable with attenuator (IWS-10A)

Spec	Unit	IWS-10	IWS-10A
Rated Power	W	30	60
Impedance	Ω	COM, 1k, 3.3k	COM, 1k, 3.3k (sw off, -12dB, -6dB, 0dB)
Frequency Response	Hz	220 ~ 12k	220 ~ 12k
SPL (1W/m)	dB	90	90
Weight	kg	1.1	1.3
	lb	2.4	2.8
Dimensions (W X H X D)	mm	179 X 312 X 109	
	inches	7 X 12.3 X 4.3	

Wall Speakers

SWS-10(A)/03(A)**SWS-10(A)****SWS-03(A)****Features**

- SWS series offer a break from the conventional 'Box' speaker
- With either 3W or 10W 100V line versions available, these are the ideal choice for an office environments
- The SWS-03 and SWS-10 are available in an Ivory or Brown color
- (A) means "with attenuator"

Spec	Unit	SWS-10(A)	SWS-03(A)
Rated Power	W	10 / 5 / 3 100V	3 / 2 / 1 100V
Frequency Response	Hz	150 ~ 12k	150 ~ 12k
Impedance	Ω	8, 83, 166, 333	8, 166, 333, 666
SPL(1W/m)	dB	90	89
Color		Ivory or Brown	
Material		Injection Moulded	
Weight	kg	1.34	1.1
	lb	3	2.4
Dimensions (W X H X D)	mm	182 X 274 X 120	
	inches	7.2 X 10.78 X 4.7	

Corner Speakers

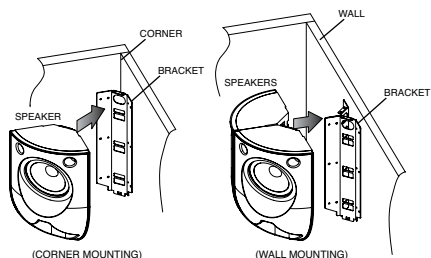
CF-60/120(B/W)



CF-60B / 120B



CF-60W / 120W



Features

- Wide & Variety of Installations
- Can be combined into compact arrays for wide dispersion angles (90~360°)
- Ferro-fluid treated tweeter with neodymium magnet
- 1" PEI (polyetherimide) diaphragm with titanium coating and light paper cone woofer with foamed urethane resin provides better sound reproduction

Spec		Unit	CF-60B/60W	CF-120B/120W
Rated Power	Constant	W	60	120
	Peak	W	100	150
Frequency Response		Hz	150 ~ 18k	150 ~ 18k
Impedance		Ω	8, 166, 333, 666	8, 83, 166, 333
SPL (1W/m)		dB	90	90
HF Drive		inch	1"	
LF Drive		inch	5 1/4"	
Cross-Over Frequency		Hz	2.5k	
Dispersion		Angle	120°(H)	120°(H)
Weight		kg / lb	2.7 / 6	3.2 / 7
Dimensions (W X H X D)		mm	226 X 327 X 163	
		inches	8.9 X 12.9 X 6.4	

Note



/ OTHER PRODUCT

Commercial Audio Products

Blank Panel

BP-610/620**Features**

- BP-610 - 1U Vented Blank Panel / BP-620 - 2U Vented Blank Panel
- Weight : BP-610 - 320g, 0.7lb / BP-620 - 540g, 1.2lb
- Simultaneous 2 Group Different Broadcasting
- Dimensions (WxHxD) : BP-610 - 482x44x28mm, 19x1.75x1.1in / BP-620 - 482x88x28mm, 19x3.5x1.1in

Attenuator

ATT-03/30/BOX

ATT-03
(3W)



ATT-30
(30W)



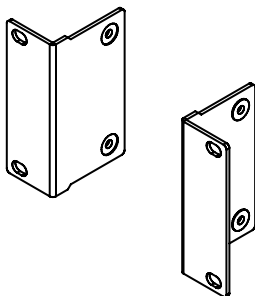
ATT-BOX

Features

- Four-step level control
- Switch-plate-mounted attenuator unit
- Attractive, modern design
- Simple installation
- Screwless terminal block for easy installing
- Steel box for ATT-03/30(Attenuator Box)

Spec	Unit	ATT-03	ATT-30
Rated Power	W	3	30
Application	W	2 ~ 3	7 ~ 30
Input Impedance (Reference Voltage 100V)	Ω	5k ~ 3.3k	1.4k ~ 330
Volume Control	dB	4 step SW (-off, -10, -4, 0dB)	4 step SW (-off, -12, -6, 0dB)
Method		Resistor	Transformer
Material	Plate	SECC 1.0t	
Front Cover		A.B.S	
Weight	g	112	196
	lb	0.247	0.432
Dimensions (W X H X D)	mm	68 X 120 X 38	
	inches	2.7 X 4.7 X 1.5	

Rack Mount Bracket

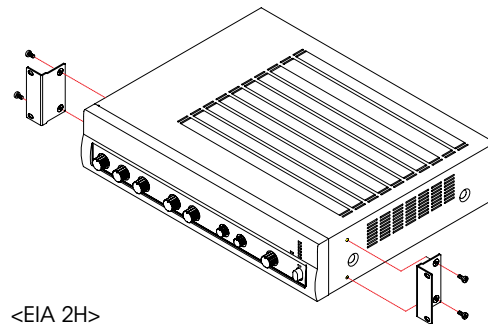
BKT-A120

Application Type



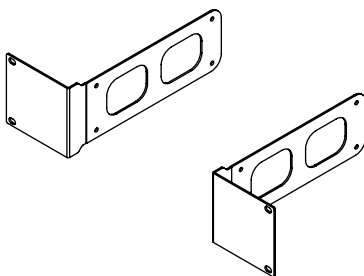
•A-60 / 120

BKT Ass'y



<EIA 2H>

Rack Mount Bracket

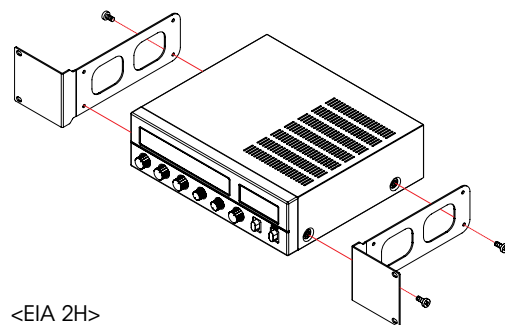
BKT-PA1000B

Application Type



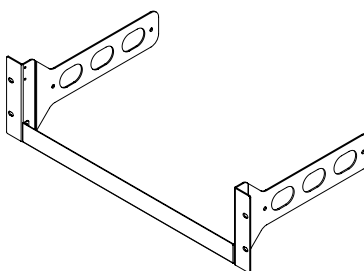
•PA-1000B / 1000BR

BKT Ass'y



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Rack Mount Bracket

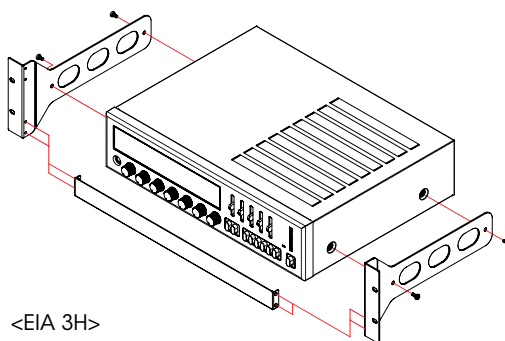
BKT-PA2000A

Application Type



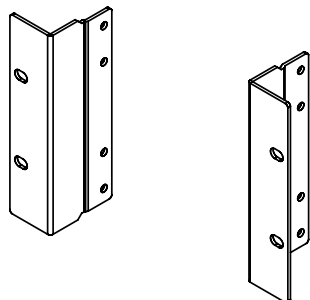
•PA-2000A

BKT Ass'y



<EIA 3H>

Rack Mount Bracket

BKT-PA4000A**Application Type**

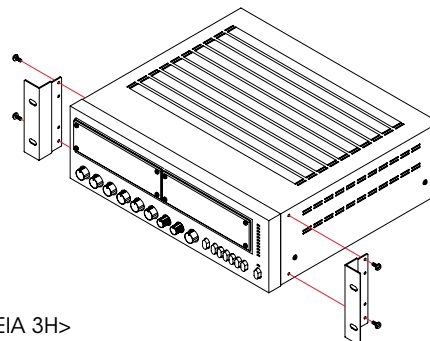
•PAM-120A / 340A / 480A



•ACR-120M

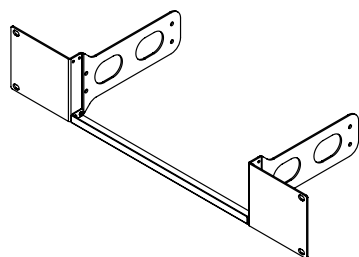


•PA-4000A / 6000A

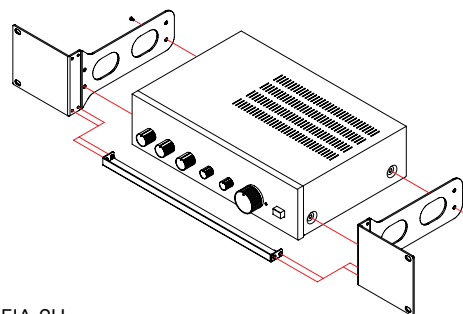
BKT Ass'y

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Rack Mount Bracket

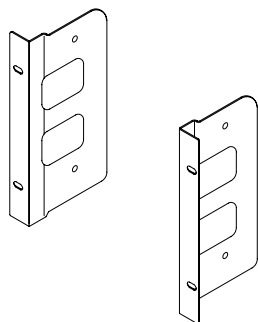
BKT-PA935A**Application Type**

•PA-935A

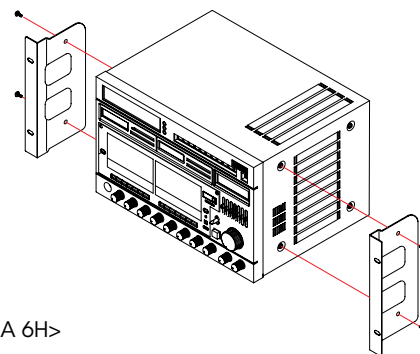
BKT Ass'y

<EIA 2H>

Rack Mount Bracket

BKT-SYS2240A**Application Type**

•SYSTEM-2240M

BKT Ass'y

<EIA 6H>

Rack Mount Bracket

FSB-1**Application Type**

•GS-50BT / 50WT

Rack Mount Bracket

FSB-2**Application Type**

•FS-30 / 60 / 100(I), FS-52(I)

Note

Dynamic Microphone

MD-110V/510V/710V, NMD-810V, SCM-6000V

MD-110V



MD-510V



MD-710V

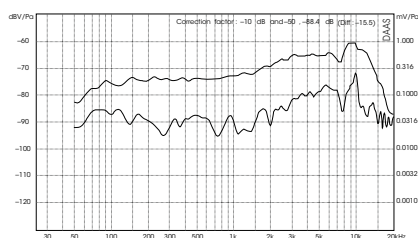


NMD-810V

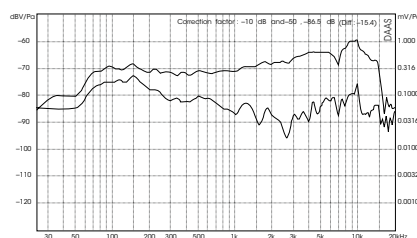


SCM-6000V

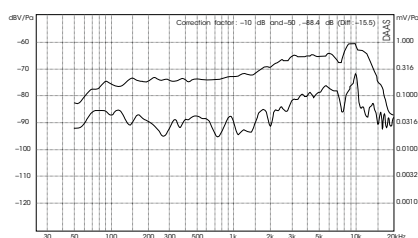
Features



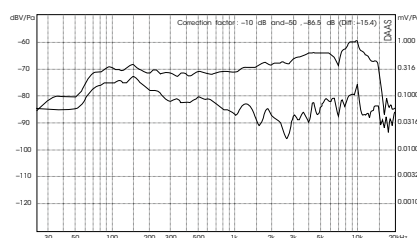
MD-110V



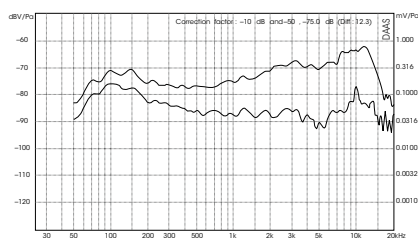
NMD-810V



MD-510V



SCM-6000V



MD-710V

Spec	Unit	MD-110V	MD-510V	MD-710V	NMD-810V	SCM-6000V
Type		Dynamic Microphone				
Frequency Response	Hz	55Hz ~ 16kHz	55Hz ~ 16kHz	55Hz ~ 16kHz	55Hz ~ 17kHz	55Hz ~ 17kHz
Sensitivity	dB	-75dB \pm 3dB	-75dB \pm 3dB	-75dB \pm 3dB	-75dB \pm 3dB	-73dB \pm 3dB
Impedance	Ω	600 Ω \pm 30%	600 Ω \pm 30%	600 Ω \pm 30%	600 Ω \pm 30%	350 Ω \pm 30%
Weight	g	250 \pm 10(without cable)	250 \pm 10(without cable)	250 \pm 10(without cable)	250 \pm 10(without cable)	250 \pm 10(without cable)
	lb	0.55 \pm 0.02	0.55 \pm 0.02	0.55 \pm 0.02	0.55 \pm 0.02	0.55 \pm 0.02
Dimensions (W X H X D)	mm	ϕ 51 X 174	ϕ 51 X 174	ϕ 51 X 172	ϕ 51 X 174	ϕ 51 X 180
	inches	ϕ 2 X 6.9	ϕ 2 X 6.9	ϕ 2 X 6.8	ϕ 2 X 6.9	ϕ 2 X 7.1

Remote Microphones

RM-01

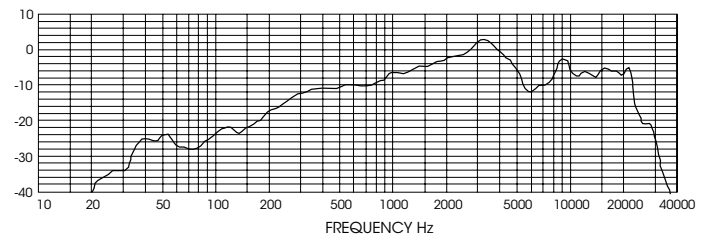


RM-01



Features

- Unidirectional dynamic microphone
- Remote chime switch
- Mic on/off switch
- 2 Push buttons for easy operation



Spec	Unit	RM-01
Weight	kg	1.4
	lb	3
Dimensions (W X H X D)	mm	90 X 45 X 133
	inches	3.5 X 1.8 X 5.2

Remote Paging MIC Station

RM-916

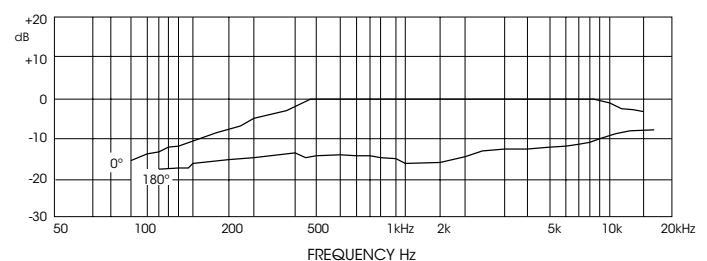


RM-916



Features

- Output : Program output (balanced)
- Input : AUX (unbalanced)
- 16 Speaker zone switches
- All call switch, Mute switch
- Multi-tone pre-announcement chime
- Power Source : 24VDC

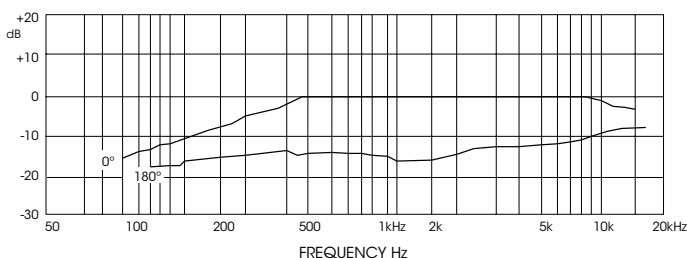


Spec	Unit	RM-916
Weight	kg	1.2
	lb	2.6
Dimensions (W X H X D)	mm	245 X 60 X 205
	inches	9.6 X 2.3 X 8

Remote Microphones

RMC-01**RMC-01****Features**

- Unidirectional Condensor microphone
- Remote chime switch
- Mic on/off switch
- 2 Push buttons for easy operation



Spec	Unit	RM-01
Weight	kg	1.4
	lb	3
Dimensions (W X H X D)	mm	90 X 45 X 133
	inches	3.5 X 1.8 X 5.2

MIC Stand / Base Stand For RM-01 / MIC Jack Box

TS-1(B)/FS-2/BS-3/RM-01BS/MJ-01**TS-1(B)**

- Square table type stand

**FS-2**

- Coating way adoption to prevent discoloration and deterioration

**BS-3**

- Coating way adoption to prevent discoloration and deterioration

**MJ-01****RM-01BS**

Steel Rack Cabinets

PA-151D/231D/271D/331D/391D



Spec	Unit	PA-151D	PA-231D	PA-271D	PA-331D	PA-391D
Weight	kg	34.2	46.3	51	59.7	71.8
	lb	75.4	102.1	112.4	131.6	158.3
Dimensions (W x H x D)	mm	585 x 885 x 585	585 x 1240 x 585	585 x 1420 x 585	585 x 1685 x 585	585 x 1955 x 585
	inches	23 x 34.8 x 23	23 x 48.8 x 23	23 x 55.9 x 23	23 x 66.3 x 23	23 x 77 x 23

Steel Rack Cabinets

PR-091(N)A/111(N)A/151(N)A/231(N)A/271(N)A/331(N)A/391(N)A



Spec	Unit	PR-091A	PR-111A	PR-151A	PR-231A	PR-271A	PR-331A	PR-391A
Weight	kg	23	24	32.5	42	47	53	62.5
	lb	50.7	52.9	71.6	92.6	103.6	116.8	137.8
Dimensions (W x H x D)	mm	585 x 508 x 585	585 x 597 x 585	585 x 844 x 585	585 x 1,200 x 585	585 x 1,378 x 585	585 x 1,645 x 585	585 x 1,912 x 585
	inches	23 x 20 x 23	23 x 23.5 x 23	23 x 33.2 x 23	23 x 47.2 x 23	23 x 54.3 x 23	23 x 64.8 x 23	23 x 75.2 x 23
Spec	Unit	PR-091NA	PR-111NA	PR-151NA	PR-231NA	PR-271NA	PR-331NA	PR-391NA
Weight	kg	26.5	27.2	37.7	49.1	55	63.7	73.7
	lb	58.3	59.8	83	108.2	121.3	140.4	162.4
Dimensions (W x H x D)	mm	430 x 315 x 650	520 x 315 x 650	790 x 315 x 650	1,205 x 290 x 650	1,330 x 290 x 650	1,590 x 290 x 650	1,865 x 290 x 650
	inches	16.9 x 12.4 x 25.5	20.4 x 12.4 x 25.5	31.1 x 12.4 x 25.5	47.4 x 11.4 x 25.5	52.3 x 11.4 x 25.5	23 x 64.8 x 23	73.4 x 11.4 x 25.5

*A : Assembly *NA : Non assembly

Note



/ POWER AMPLIFIER

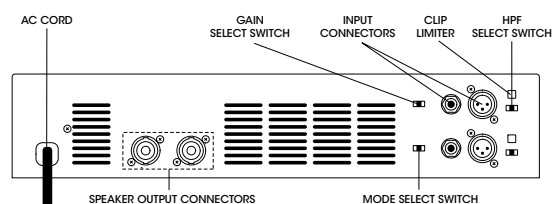
Professional Audio Products

Professional Power Amplifier

V2 SERIES-1000/2000/3000/4000/5000**Features**

- Compact size (2-Rack height)
- Stable SMPS(Switch Mode Power supply) applied for low power consumption and low weight
- Voltage gain available
- High Damping Factor and low T.H.D
- Includes clip limiter to prevent a sound crush
- For better efficiency, 2-step of H-class amp accepted
- Includes protection circuit to prevent a damage of over heat, short and over voltage
- Has 30Hz or 50Hz HPF to protect speaker from low-frequency
- Power source : 100~120V AC or 220~240V AC
- Power consumption : V2-1000 - 380W / V2-2000 - 600W / V2-3000 - 770W / V2-4000 - 870W
- Weight : V2-1000 - 10.7Kg, 23.5lb / V2-2000 - 11.1Kg, 24.5lb / V2-3000 - 12Kg, 26.41lb / V2-4000 - 12.1Kg, 26.6lb / V2-5000 - 13Kg, 28.7lb

Spec	V2-1000		V2-2000		V2-3000		V2-4000		V2-5000
Rated Power	120VAC	230VAC	120VAC	230VAC	120VAC	230VAC	120VAC	230VAC	120VAC
RL=8Ω @ 0.1% THD (Stereo)	190W	170W	320W	280W	550W	500W	750W	700W	1000W
RL=4Ω @ 0.1% THD (Stereo)	340W	300W	550W	500W	1000W	900W	1300W	1200W	1700W
RL=2Ω @ 0.5% THD (Stereo)	580W	550W	900W	850W	1600W	1500W	2000W	1900W	2500W
RL=8Ω 1kHz @ 0.1% THD (Bridged)	720W	650W	1150W	1000W	2000W	1800W	2600W	2400W	3800W
RL=4Ω 1kHz @ 0.5% THD (Bridged)	1200W	1100W	1900W	1700W	3200W	3000W	4000W	3800W	5000W
Input Sensitivity (Rated Output Power @4Ω)	1V								1.4V
Input Impedance	12 kΩ (Balanced)								
Frequency Response (1W@8Ω)	20Hz~20kHz : ±0.3dB, 5Hz~70kHz : -3dB								
Total Harmonic Distortion (1/3 Power @8Ω)	<0.05%								
Signal to Noise Ratio (20Hz ~ 20kHz, A-Weight)	106dB								
Damping Factor	>380		>450		>400				
Residual Noise (VR Max @8Ω)	<70dB								
Channel Separation (1/2 Power @8Ω)	<70dB								
Voltage Gain (Rated Output Power @4Ω)	30.8dB		33dB		35.8dB		36.8dB		36dB

Dimensions

Professional Power Amplifier

V-1000/2000

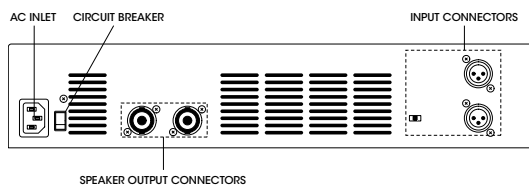


Features

- 2U rack, 2 channel amplifier capable of 1150W/1850W into 4 Ω load (bridged mono)
- 2 Ω load stable per channel, 4 Ω load stable in bridged mono
- Switch Mode Power Supply available for high efficiency and low weight
- Forced air cooled (front panel intake, rear panel exhaust)
- Rack ears for permanent installation in a standard 19" (rack mount width) enclosure
- Detachable AC power cord
- Power Source : 120VAC, 230VAC ; 50/60Hz (supplied AC mains depends on country requirements)
- Power Consumption (1/8 power)
V-1000 - 120VAC(6A), 230VAC(3A)
V-2000 - 120VAC(8A), 230VAC(4A)
- Weight : V-1000 - 10.3kg, 22.7lb / V-2000 - 10.5kg, 23.1lb
- Dimension(WxHxD) : 482x88x407mm / 19x3.5x16in

Spec	V-1000		V-2000	
Rated Power	120VAC	230VAC	120VAC	230VAC
RL=8Ω @ 0.1% THD (Stereo)	190W	180W	320W	300W
RL=4Ω @ 0.1% THD (Stereo)	340W	320W	550W	530W
RL=2Ω @ 0.5% THD (Stereo)	580W	580W	900W	900W
RL=8Ω 1kHz @ 0.1% THD (Bridged)	720W	700W	1150W	1100W
RL=4Ω 1kHz @ 0.5% THD (Bridged)	1200W	1150W	1900W	1850W
Input Sensitivity (4Ω)	1V		1.3V	
Input Impedance	12 kΩ (Balanced, Unbalanced)			
Slew Rate (8Ω, Full Swing)	±20V/μsec			
Frequency Response (1W@8Ω)	20Hz~20kHz : -0.3dB, 10Hz-83kHz : -3dB			
Total Harmonic Distortion (f=20Hz ~ 20kHz, 1/10 Power)	<0.05%			
Signal to Noise Ratio	107dB		109dB	
Damping Factor (8Ω, 1kHz)	>400			
Residual Noise	75dBu			
Channel Separation (1kHz, Half Power @8Ω)	>70dB			
Voltage Gain @4Ω (Gain SW 1V)	31dB			

Dimensions



Professional Power Amplifier

V-3000/4000

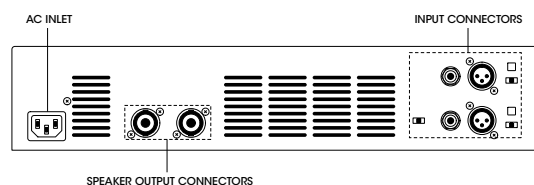


Features

- 2U rack, 2 channel amplifier capable of 3200W/4000W into 4Ω load (bridged mono)
- 2Ω load stable per channel, 4Ω load stable in bridged mono
- Switch Mode Power Supply available for high efficiency and low weight
- Forced air cooled (front panel intake, rear panel exhaust)
- Rack ears for permanent installation in a standard 19" (rack mount width) enclosure
- Detachable AC power cord
- Power Source : 120VAC, 230VAC ; 50/60Hz (supplied AC mains depends on country requirements)
- Power Consumption (1/8 power)
V-3000 - 120VAC(12A), 230VAC(6A)
V-4000 - 120VAC(14A), 230VAC(7A)
- Weight : V-3000 - 11.7kg, 25.8lb / V-4000 - 11.8kg, 26lb
- Dimension(WxHxD) : 482x88x407mm / 19x3.5x16in

Spec	V-3000		V-4000	
Rated Power	120VAC	230VAC	120VAC	230VAC
RL=8Ω @ 0.1% THD (Stereo)	550W	550W	750W	750W
RL=4Ω @ 0.1% THD (Stereo)	1000W	1000W	1300W	1300W
RL=2Ω @ 0.5% THD (Stereo)	1600W	1650W	2000W	2100W
RL=8Ω 1kHz @ 0.1% THD (Bridged)	2000W	2000W	2600W	2600W
RL=4Ω 1kHz @ 0.5% THD (Bridged)	3200W	3300W	4000W	4200W
Input Sensitivity (4Ω)	0.95V		1.05V	
Input Impedance	12 kΩ (Balanced, Unbalanced)			
Slew Rate (8Ω, Full Swing)	±20V/μsec			
Frequency Response (1W@8Ω)	20Hz~20kHz : -0.2dB, 10Hz~100kHz : -3dB			
Total Harmonic Distortion (f=20Hz ~ 20kHz, 1/10 Power)	<0.05%			
Signal to Noise Ratio	105dB		106dB	
Damping Factor (8Ω, 1kHz)	>400			
Residual Noise	73dBu			
Channel Separation (1kHz, Half Power @8Ω)	>70dB			
Voltage Gain @4Ω (Gain SW 1V)	36.8dB			

Dimensions



Power Amplifier

R150PLUS/300PLUS/500PLUS

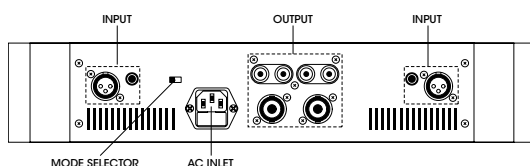


Features

- Controls :
Front - Power on/off switch, Attenuator, LED indicator
Rear - Mode selector switch, Stereo/bridged mono switch
- Connectors :
Input - 1 XLR, 1/4" balanced per channel
Output - 5-way binding post and Speakon™ per channel
- Indicators : Power(Green), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption : R150PLUS - 170W (1.5A)
R300PLUS - 250W (2.4A) / R500PLUS - 480W (3.9A)
- Weight : R150PLUS - 7.2kg, 15.9lb / R300PLUS - 8.4kg, 18.5lb
R500PLUS - 10.4kg, 23lb
- Dimension(WxHxD) : 482x88x317mm / 19x3.5x12.5in

Spec	R150PLUS	R300PLUS	R500PLUS
Rated Power			
at 8Ω @ 0.05 THD (Stereo CH)	50W	100W	170W
at 4Ω @ 0.05 THD (Stereo CH)	75W	150W	250W
at 8Ω @ 0.05 THD (Bridged mono)	150W	300W	460W
at 8Ω @ 0.5 THD (Bridged mono)	170W	330W	500W
Input Sensitivity (8Ω, 1kHz)	0.775Vrms		
Input Impedance	10kΩ (Unbalanced) / 20kΩ (balanced)		
Slew Rate (8Ω, Full Swing)	±3V/μsec		
Frequency Response (±0.5dB)	20Hz~20kHz		
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	Less than 0.1%		
Signal to Noise Ratio	≥100dB		
Damping Factor (8Ω, 1kHz)	100		
Residual Noise	≤80dB		
Channel Separation (8Ω, 1kHz)	≥70dB		
Voltage Gain (4Ω)	27dB	30dB	32dB

Dimensions

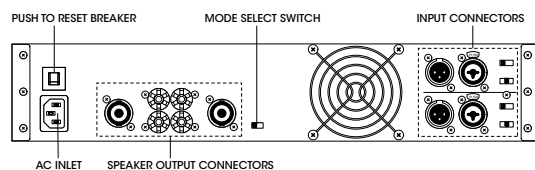


Professional Power Amplifier

L1400/1800/2400/3000**Features**

- Controls : Front - Power on/off switch, attenuator, LED indicators / Rear - Mode selector switch - Stereo/Bridged Mono/ Parallel HPF 50Hz/30Hz/off switch, limiter on/off switch
- Connectors : Input - Combination jack and XLR jack (link) / Output - One 5-Way binding post and one Speakon™ per channel
- Indicators : Power(Blue), Protection(Red), Clip/Limiter(Red), Signal(Green), Mode Selector(Yellow)
- Filters : 30Hz HPF, 50Hz HPF
- Protection : Turn-on delay, thermal, DC fault, PC limiter, RF, Clip-limiter, short circuit, open circuit
- Cooling : Continuously variable speed fan, front to rear air flow
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz (supplied AC mains transformer depends on country requirements)
- Power Consumption (1/8 power, $R_L=4\Omega$)
120VAC : L1400(7A), L1800(8A), L2400(9A), L3000(11A)
230VAC : L1400(3.5A), L1800(4A), L2400(4.5A), L3000(5A)
- Weight : L1400 - 14.4kg, 31.7lb / L1800 - 15kg, 33lb
L2400 - 15.6kg, 34.3lb / L3000 - 19.5kg, 39.5lb
- Dimension (WxHxD) : 482x88x369mm / 19x3.5x14.5in

Spec	L1400	L1800	L2400	L3000
Rated Power				
$R_L=8\Omega$ @ 0.1% THD (Stereo)	280W	360W	500W	650W
$R_L=4\Omega$ @ 0.1% THD (Stereo)	450W	600W	750W	1000W
$R_L=2\Omega$ @ 0.5% THD (Stereo)	700W	900W	1200W	1500W
$R_L=8\Omega$ 1kHz @ 0.1% THD (Bridged)	900W	1200W	1500W	2000W
$R_L=4\Omega$ 1kHz @ 0.5% THD (Bridged)	1400W	1800W	2400W	3000W
Input Sensitivity (4 Ω , 1kHz)	2.7dBu	3.5dBu	3.5dBu	3.5dBu
Input Impedance	$\geq 20k\Omega$ (Balance/Unbalance)			
Slew Rate (8 Ω , Full Swing)	$\pm 20V/\mu\text{sec}$			
Frequency Response ($\pm 0.5\text{dB}$)	20Hz ~ 20kHz : $\pm 0/1\text{dB}$, 5Hz~70kHz : -3dB			
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	$\leq 0.03\%$			
Signal to Noise Ratio	$\geq 100\text{dB}$			
Damping Factor (8 Ω , 1kHz)	≥ 400			
Residual Noise	$\leq -85\text{dB}$: ATT min			
Channel Separation (8 Ω , 1kHz)	$\geq 80\text{dB}$			
Voltage Gain @4 Ω	32dB	33dB	34dB	38.5dB

Dimensions

Professional Power Amplifier

Q-3300/4300

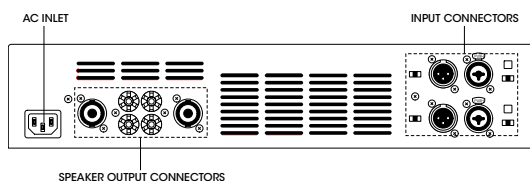


Features

- Controls : Front - Power on/off switch, Attenuator, LED indicators / Rear - Mode selector switch (Stereo/Bridged mono/Parallel), Gain selector switch, HPF off/30Hz/50Hz switch, Clip Limiter on/off switch
- Connectors : Input - Combination Jack(XLR Male or 1/4" TRS) Link - XLR Male / Output - 5-Way binding post and Speakon™ per channel
- Indicators : Active(Green), -30dB(Green), -10dB(Green), Clip/Port(Red)
- Protection Circuitry : Full Short Circuit, Thermal Protection, Power ON/OFF Muting, DC Output Protection
- Cooling : 2 variable speed fans, front to rear air flow
- Power Source : 120VAC, 220VAC, 230VAC ; 50/60Hz (supplied AC mains depends on country requirements)
- Power Consumption (1/8 power, RL=4Ω)
Q-3300 - 120VAC(12A), 220VAC / 230VAC(6A)
Q-4300 - 120VAC(14A), 220VAC / 230VAC(7A)
- Weight : 11.7kg / 25.8lb
- Dimension (WxHxD) : 482 x 88 x 407mm / 19 x 3.5 x 16in

Spec	Q-3300		Q-4300	
Rated Power	120VAC	230VAC	120VAC	230VAC
RL=8Ω @ 0.1% THD (Stereo)	550W	360W	750W	750W
RL=4Ω @ 0.1% THD (Stereo)	1000W	600W	1300W	1300W
RL=2Ω @ 0.5% THD (Stereo)	1600W	900W	2000W	2100W
RL=8Ω 1kHz @ 0.1% THD (Bridged)	2000W	1200W	2600W	2600W
RL=4Ω 1kHz @ 0.5% THD (Bridged)	3200W	1800W	4000W	4200W
Input Sensitivity (4Ω, Gain sw : 1V)	0.94V / 1.00V		1.04V / 1.14V	
Input Impedance	12kΩ (Balance/Unbalance)			
Slew Rate (8Ω, Full Swing)	±20V/μsec			
Frequency Response (1W@8Ω)	20Hz ~ 20kHz : 0dB ±0.2dB, 10Hz~100kHz : +0 / -3dB			
Total Harmonic Distortion (f=20Hz ~ 20kHz, 1/10 Power)	<0.05%			
Signal to Noise Ratio	-105dB		-106dB	
Damping Factor (8Ω, 1kHz)	>400			
Residual Noise	-73dB : ATT min			
Channel Separation (8Ω, 1kHz)	>-70dB			
Voltage Gain @4Ω	36.8dB			

Dimensions



Quad Amplifier

QD-4240/4480/4960

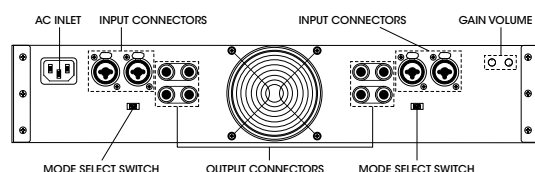


Features

- Controls : Front - Power on/off switch, attenuator, LED indicator / Rear - Mode selector switch : Stereo/bridged, mono/parallel
- Connectors : Input - XLR/1/4" Combination jack
Output - 5-Way binding post
- Indicators : Power(Red), Protection(Red), Clip(Red), Signal(Green)
- Protection : Turn on delay, Thermal, DC fault, PC limiter
- Fan Speed : 50°C(122°F) ~ 60°C(140°F)
continuously-variable speed fan
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
(supplied AC mains transformer depends on country requirements)
- Power Consumption : QD4240 - 300W / QD4480 - 420W
QD4960 - 770W
- Weight : QD4240 - 11.5kg, 25.3lb /
QD4480 - 15.5kg, 34.2lb / QD4960 - 17kg, 37.5lb
- Dimension(WxHxD) : 482x88x369mm / 19x3.5x14.5in

Spec	QD4240	QD4480	QD4960
Rated Power			
RL=8Ω @ 0.05% THD (Per CH)	40W	80W	170W
RL=4Ω @ 0.05% THD (Per CH)	60W	120W	240W
RL=8Ω @ 0.05% THD (Bridged mono)	120W	240W	480W
Input Sensitivity (8Ω, 1kHz)	0.775Vrms		
Input Impedance	20kΩ (balanced / Unbalanced)		
Slew Rate (8Ω, Full Swing)	±30V/μsec		
Frequency Response (±0.5dB)	20Hz ~ 50kHz		
Total Harmonic Distortion (f=20Hz ~ 20kHz, Half Power)	RL=8Ω (Quad) - ≤0.05% / RL=4Ω (Quad) - ≤0.07% / RL=8Ω (Bridged) - ≤0.07%		
Signal to Noise Ratio	≥100dB		
Damping Factor (8Ω, 1kHz)	≥100		
Residual Noise	≤-70dB:ATT min		≤-85dB:ATT min
Channel Separation (8Ω, 1kHz)	≥80dB		
Voltage Gain (4Ω)	26dB	29dB	32dB

Dimensions

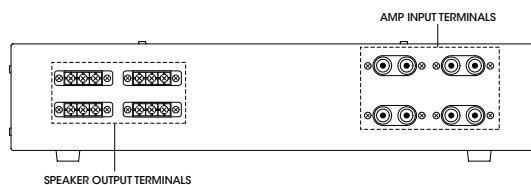


Output Transformer Units

OT-4240/4480/4960

**Features**

- OT-4240 / 4480 Transforms the 4 ohm output of the QD4240 / 4480 to 70V or 100V levels for use with high impedance speakers
- Expansion line out for QD-4240 / 4480
- Weight : OT-4240 - 11.5kg, 25.3lb / OT-4480 - 14.5kg, 32lb / OT-4960 : 21.5kg, 47.4lb
- Dimensions (WxHxD) :
OT-4240/4480 - 420x88x310mm, 16.5x3.5x12.2in
482x88x310mm, 19x3.5x12.2in
OT-4960 - 420x132x280mm, 16.5x5.2x11in
482x132x280mm, 19x5.2x11in
w/optional rack-mount kit

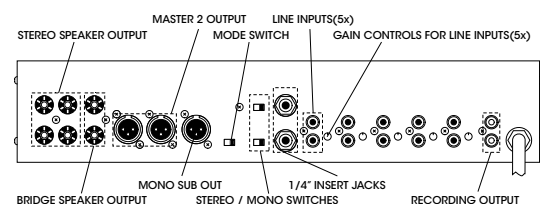
Dimensions

Mixing Amplifier

EMI-300

**Features**

- Amp Section :
Rated Power - 2 x 150W @ 4Ω @ < 0.5% THD
1 x 300W @ 8Ω (bridged mono) @ < 0.5% THD
Limiter to eliminate overload distortion
- Preamp Section :
Input - 5 x Line input / 2 x Mic input / 2 Insert
Output - REC out L,R / Master 2 out L,R / Master 1 mono sub out (low pass 100Hz/12dB) /
2 band equalizer (6dB Bass and Treble)
Display - 2 x 5-Segment LED level meters for amp 1 and amp 2 / 2 x 1 LED for limit
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
(supplied AC mains transformer depends on country requirements)
- Power Consumption : 261W
- Weight : 13kg / 28.6lb
- Dimensions (WxHxD) : 483x88x382mm / 19x3.5x15in

Dimensions

Note



/ MIXING CONSOLE SIGNAL PROCESSOR

Professional Audio Products

Audio Mixer

MX-1646

NEW

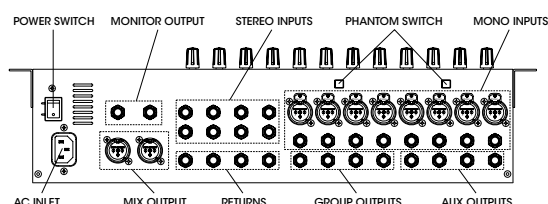
RoHS COMPLIANT  CE



Features

- Input Section : 8 Mono mic/line input, +48V phantom power, 4 stereo line inputs, 2 Returns, Channel equalizer (Mono-3band, Stereo-2band), Pan/Bal, Solo, Bus assignment switches
- Output Section : MIX XLR L/R output, GROUP outputs, 4 AUX outputs, 8-Segment GROUP/MIX/SOLO LED level meters, Headphone and Monitor output
- Power Source : 100~120VAC or 220~240VAC ; 50/60Hz
- Power Consumption : 25W
- Weight : 5.78kg / 12.74lb
- Dimensions (WxHxD) : 482x105x310mm/19x4.1x12.2in

Dimensions



Dual-Channel Compressor / Gate

CLN-200

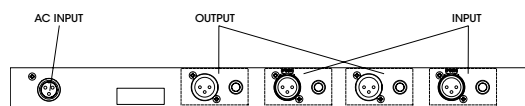
NEW



Features

- High quality audio performance for studio and live sound applications
- Hard and Soft Knee dynamic curves
- Threshold, Ratio, Level, Attack, Release controls
- Stereo link switch
- 12 Dot gain Reduction LED meter
- 8 Dot Output LED meter
- Dual noise gate
- Bypass Switch
- Power source : AC adapter (Input : 100~120V AC or 220~240V, Output : AC 17.5V x 2, 500mA)
- Power Consumption : 14W
- Weight : 2.57Kg / 5.6 lb
- Dimensions (WxHxD) : 482x44x234mm / 19x1.75x9.2in

Dimensions



5 Band Parametric Equalizer

PEQ-105

NEW**Features**

- Output Power : PA-636 - 360W(RMS) < 1% THD, PA-648 - 480W(RMS) < 5% THD
- Protection : Thermal, PC limiter
- Balanced XLR input with XLR parallel link-out connector
- 400Hz High pass filter
- Ground Selector Switch : Frame/Float
- Adjustable input gain from -12dB to 0dB
- Fan forced-air cooling system
- Automatic two-speed cooling Fan
- Output level indicator LEDs
- Power Source : 100~120VAC or 220~240VAC, 50/60Hz, 24VDC (supplied AC mains transformer depends on country requirements)
- Power Consumption : PA-636 - 380W / PA-648 - 600W
- Weight : PA-636 - 18.9kg / 41.7lb
PA-648 - 21.7kg / 47.8lb
- Dimensions (WxHxD) : 482x132x280mm / 19x5.2x11in

Dimensions

31 Band Graphic Equalizer

GEQ-131/231

NEWRoHS
COMPLIANT**Features**

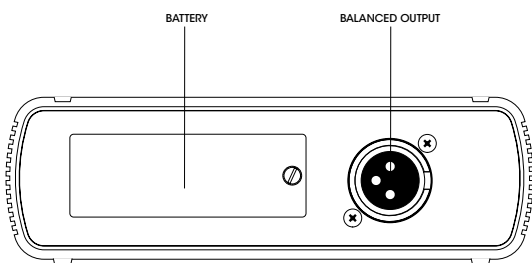
- Single-channel module featuring five identical independent filters
- Independent bypass controls
- Five selectable frequency ranges (20Hz~200Hz, 100Hz~1KHz, 200Hz~2KHz, 1KHz~10KHz, 2KHz~20KHz)
- Power source : AC adapter (Input : 100~120V AC or 220~240V, Output : AC 17.5V x 2, 500mA)
- Power consumption : 10W
- Weight : 2.46Kg / 5.4 lb
- Dimensions (WxHxD) : 482x44x234mm / 19x1.75x9.2in

Dimensions

Direct Box

DIB-100**NEW**RoHS
COMPLIANT**Features**

- High impedance FET input
- Runs on 9 V battery or +48V phantom power (Active-Type)
- Contains a high quality transformer for maximum clarity and dependability
- A pad switch to accommodate a high level musical instrument
- Source conversion switch for a simulation of guitar amplifier
- Power Source : Phantom power +48V or 9V battery
- Power Consumption : 8mA
- Weight : 740g / 1.63lb
- Dimensions (WxHxD) : 140x43x140mm / 5.5x1.6x5.5in

Dimensions

Note



CONA :

Launched in 2009, Creative Outstanding
Novel for Artist, CONA is made with Pride
of Korea's own self-developed technology.
A dependable Sound technology, which many
artists can share! Beyond the national best,
CONA is aiming the world's Top Brand,
from now on.

CONA made by Inter-M

/ LOUDSPEAKER

Professional Audio Products

Professional Linearray Speaker System

CLA-8A/18SA

NEW



CLA-8A



CLA-18SA

Features (CLA-8A)

- Top quality durable units are applied for excellent sound reproduction performance
- 120° Wide Horizontal Coverage
- Output capability for wide coverage
- Use titanium compression driver
- Integrated rigging system for suspending or ground stack with CLA-18SA

Features (CLA-18SA)

- Compact subbase system
- Plywood enclosure of high density
- The highest grade of subwoofer speakers are used to achieve the specific best of the sound
- Integrated rigging system for suspending or ground stack with CLA-8A

Spec		CLA-8A	CLA-18SA
Type		Dual 8" 2-way, bi-amp line array	Compact 18" subwoofer
Frequency Response (-10dB)		80Hz-18kHz	45Hz-300Hz
Transducers	High Frequency	1.4" exit, 75mm voice coil, compression driver with special designed waveguide provides smooth horizontal directivity and vertical line source	18" Woofer
	Low Frequency	Dual 8" woofer with separate chamber	
Power Handling		HF: 75W(AES) / 300W(Peak), LF: 300W(AES) / 1200W(Peak)	600W(AES) / 2400W(Peak)
Sensitivity (1W/1m)		98dB (at 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800Hz average)	100dB
Maximum Output		123dB / 1m	134dB / 1m
Nominal Impedance		HF : 16Ω, LF : 16Ω	8Ω
Recommended Crossover		80Hz, 1680Hz	-
Nominal Dispersion (-6dB)		H : 120deg / V : 10deg	-
Connectors		2x NL4 in parallel, 1+/1-: LF, 2+/2-: HF	2x NL4 in parallel, 1+/1-
Enclosure Material		15mm plywood, black coat	18mm plywood, black coat
Rigging		Integral, side bar adjustable rigging system, vertical splay adjustable in 1deg. Increments from 0-10deg	Integral
Weight (Net / Shipping)		34Kg / 37Kg	42.3Kg / 45.3Kg
Dimensions		800(W) x 518(D) x 268.8(H)mm	800(W) x 672(D) x 523(H)mm

Professional Linearray Speaker System

CLA-5A/15S

NEW



CLA-5A



CLA-15S

Features (CLA-5A)

- Top quality durable units are applied for excellent sound reproduction performance
- 120° Wide Horizontal Coverage
- Output capability for wide coverage
- Use titanium compression driver
- Integrated rigging system for suspending or ground stack with CLA-15S

Features (CLA-15S)

- Compact subbase system
- Plywood enclosure of high density
- The highest grade of subwoofer speakers are used to achieve the specific best of the sound
- Integrated rigging system for suspending or ground stack with CLA-5A

Spec		CLA-5A	CLA-15S
Type		Dual 5" 2-way, bi-amp line array	Compact 15" subwoofer
Frequency Response (-10dB)		125Hz-20kHz	45Hz-350Hz
Transducers	High Frequency	1" exit, 44mm voice coil, compression driver with special designed waveguide provides smooth horizontal directivity and vertical line source	15" Woofer
	Low Frequency	Dual 5" woofer with separate chamber	
Power Handling		HF: 45W(AES) / 180W(Peak), LF: 100W(AES) / 400W(Peak)	450W(AES) / 1800W(Peak)
Sensitivity (1W/1m)		96dB (at 100 / 200 / 400 / 800 / 1600 / 3200 / 6400 / 12800Hz average)	98dB
Maximum Output		122dB / 1m	131dB / 1m
Nominal Impedance		HF : 16Ω, LF : 16Ω	8Ω
Recommended Crossover		125Hz, 3450Hz	-
Norminal Dispersion (-6dB)		H : 120deg / V : 10deg	-
Connectors		2x NL4 in parallel, 1+/1-: LF, 2+/2-: HF	2x NL4 in parallel, 1+/1-
Enclosure Material		12/15mm plywood, black coat	15mm plywood, black coat
Rigging		Integral, side bar adjustable rigging system, vertical splay adjustable in 1deg. Increments from 0-10deg	Integral
Weight (Net / Shipping)		11Kg / 12.5Kg	20Kg / 22Kg
Dimensions		562(W) x 311(D) x 189.4(H)mm	562(W) x 510(D) x 520(H)mm

Professional LoudSpeaker System

SE-8A/10A/12A/15A**NEW**

SE-8A



SE-10A



SE-12A



SE-15A

Features

- HF driver protection circuit
- 1 inch exit high power compression driver
- Mounting pole socket and Flying point (M8)

Spec		SE-8A	SE-10A	SE-12A	SE-15A
Type		Ultra-compact, two-way passive	Compact, two-way passive	Compact, two-way passive	Compact, two-way passive
Frequency Response		65Hz~18kHz	55Hz~18kHz	40Hz~18kHz	38Hz~18kHz
Drivers		8" LF driver 1" exit HF compression driver	10" LF driver 1" exit HF compression driver	12" LF driver 1" exit HF compression driver	15" LF driver 1" exit HF compression driver
Rated Power		100W AES, 400W peak	150W AES, 600W peak	250W AES, 1000W peak	300W AES, 1200W peak
Sensitivity		93dB(1w/1m)	94dB(1w/1m)	96dB(1w/1m)	97dB(1w/1m)
Maximum SPL		112dB(1m)	114dB(1m)	117dB(1m)	119dB(1m)
Nominal Impedance		8Ω	8Ω	8Ω	8Ω
Crossover Frequency		2500Hz	2300Hz	2150Hz	2000Hz
Dispersion(-6dB)		75°horizontal, 60°vertical	75°horizontal, 60°vertical	75°horizontal, 60°vertical	75°horizontal, 60°vertical
Connectors		2 X NL4	2 X NL4	2 X NL4	2 X NL4
Fittings		3 x M8 / 1 x mounting pole socket	6 x M8 / 1x mounting pole socket	6 x M8 / 1x mounting pole socket	6 x M8 / 1x mounting pole socket
Weight		13kg / 28.6lb	17.4kg / 38.3lb	22.8kg / 50.3lb	32kg / 70.5lb
Dimensions (WxHxD)	mm	296 x 460 x 290	362 x 545 x 355	422 x 665 x 415	480 x 736 x 470
	in	11.7 x 18 x 11.4	14.3 x 21.5 x 14	17.4 x 26.2 x 16	19 x 29 x 18.5

Professional LoudSpeaker System

SQ-8A/10A/12A/15A

NEW



SQ-8A



SQ-10A



SQ-12A



SQ-15A

Features

- HF driver protection circuit
- 1 inch exit high power compression driver
- Mounting pole socket and Flying point (M8)
- Multi-angled enclosure design
- Symmetrical Setting Angle(SSA) and Multi Angle Adjuster (MAA) for floor monitor

Spec		SQ-8A	SQ-10A	SQ-12A	SQ-15A
Type		Ultra-compact, two-way passive	Compact, two-way passive	Compact, two-way passive	Compact, two-way passive
Frequency Response		65Hz~18kHz	65Hz~18kHz	55Hz~18kHz	45Hz~18kHz
Drivers		8" LF driver 1" exit HF compression driver	10" LF driver 1" exit HF compression driver	12" LF driver 1" exit HF compression driver	15" LF driver 1" exit HF compression driver
Rated Power		170W AES, 680W peak	280W AES, 1120W peak	380W AES, 1520W peak	480W AES, 1920W peak
Sensitivity		95dB(1w/1m)	96dB(1w/1m)	97dB(1w/1m)	98dB(1w/1m)
Maximum SPL		117dB(1m)	119dB(1m)	122dB(1m)	124dB(1m)
Nominal Impedance		8Ω	8Ω	8Ω	8Ω
Crossover Frequency		2200Hz	2000Hz	1900Hz	1750Hz
Dispersion(-6dB)		90°horizontal, 90°vertical	90°horizontal, 90°vertical	90°horizontal, 90°vertical	90°horizontal, 90°vertical
Connectors		2 X NL4	2 X NL4	2 X NL4	2 X NL4
Fittings		9 x M8 / 1 x mounting pole socket	9 x M8 / 1x mounting pole socket	13 x M8 / 1x mounting pole socket	13 x M8 / 1x mounting pole socket
Weight		13kg / 28.6lb	18.5kg / 40.8lb	25kg / 55.1lb	36kg / 79.4lb
Dimensions (WxHxD)	mm	310 x 470 x 286	360 x 545 x 330	400 x 660 x 380	460 x 735 x 440
	in	12.2 x 18.5 x 11.3	14.2 x 21.5 x 13	15.8 x 26 x 15	18.1 x 29 x 17.3

Professional LoudSpeaker System

SB-15B/18B**NEW**

SB-15B



SB-18B

Features

- Compact Sub Base System
- Aluminum die-cast frame high power woofer
- Solid Plywood Enclosure
- Mounting pole socket

Spec		SB-15B	SB-18B
Type		Compact, sub-bass system	Compact, sub-bass system
Frequency Response		40Hz~300kHz	35Hz~300kHz
Drivers		15" bass driver	18" bass driver
Rated Power		500W AES, 2000W peak	650W AES, 2600W peak
Sensitivity		98dB(1w/1m)	98dB(1w/1m)
Maximum SPL		124dB(1m)	128dB(1m)
Nominal Impedance		8Ω	8Ω
Crossover Frequency		-	-
Dispersion(-6dB)		-	-
Connectors		2 X NL4	2 X NL4
Fittings		1x mounting pole socket	1x mounting pole socket
Weight		32kg / 70.5lb	42kg / 92.6lb
Dimensions (WxHxD)	mm	470 x 636 x 540	561 x 690 x 605
	in	18.5 x 25 x 21.3	22.1 x 27.2 x 23.8

PA SYSTEM
PRODUCT

SOUND
SOURCE

PA
COMBINATION
PRODUCT

PA MIXER /
AMPLIFIER

PA SPEAKER

OTHER
PRODUCT

POWER
AMPLIFIER

MIXING
CONSOLE /
SIGNAL
PROCESSOR

LOUD
SPEAKER

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